ESYLUX

AUTOMATION
CATALOGUE

INDOOR I OUTDOOR
2018 / 2019

PERFORMANCE FOR SIMPLICITY

SENSORS

- Presence detectors
- Motion detectors
- Dimmer switches
- Twilight switches

BUS COMPONENTS

- Controls and control panels
- Inputs and outputs
- Actuators
- Interfaces and gateways
- Power supply

SECURITY

- Smoke detectors

ESYLUX

SMART SOLUTIONS
FOR SMART BUILDINGS.

INDOOR LIGHTING

- Wall lights
- Overhead lights
- Downlights
- Floor lamps
- Pendant lights

EMERGENCY LIGHTS

- Escape route signs
- Escape luminaires

WORK LIGHTS

- Work lights
- Portable spotlights

OUTDOOR LIGHTING

- Wall lights
- Overhead lights
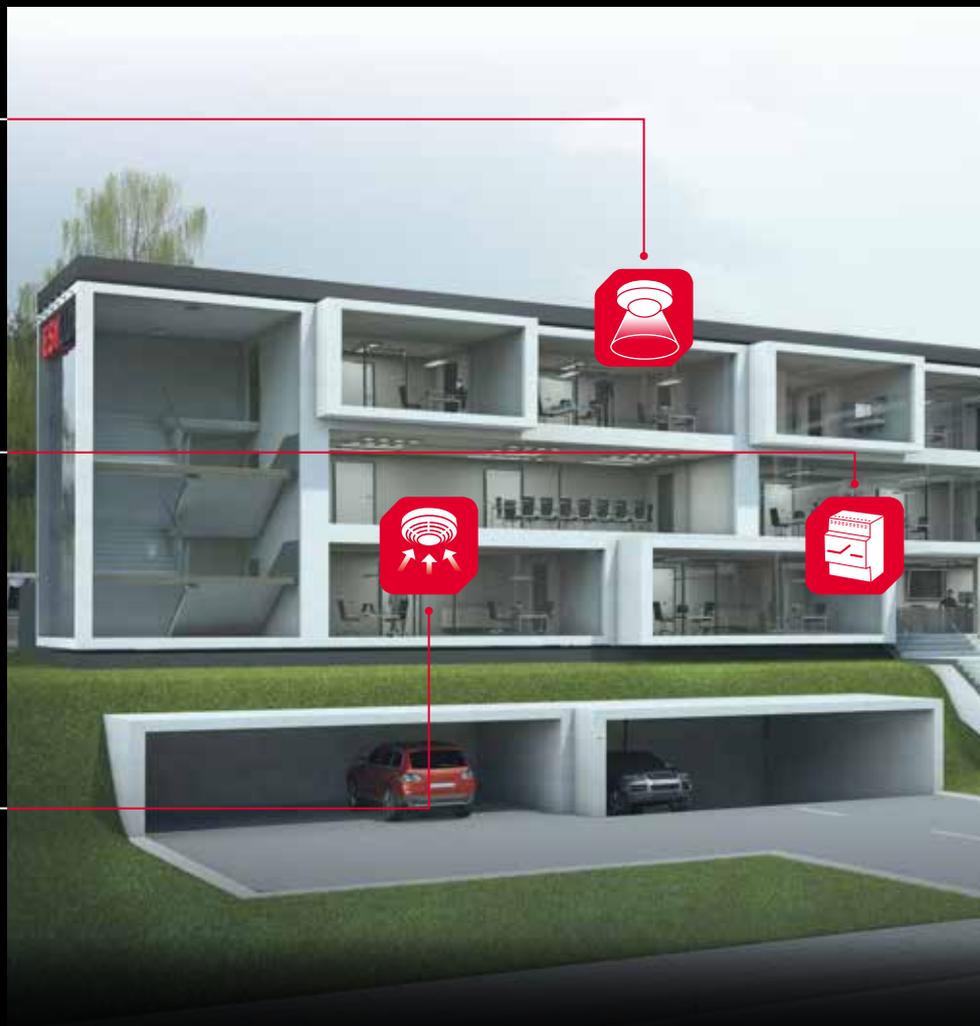- Up/downlights
- Bollard lights
- Floodlights
- Spotlights

OFFICIAL PARTNER OF DAYLIGHT.

One of the many components that we control with our automation solutions is also our second core business area: lighting. This is most convenient, as the market sectors of automation and lighting are rapidly converging. We also believe that the best lighting solutions can only be achieved using intelligent control. After all, digital networking is the only way to create atmospheric and individual scenes. Similarly, high-quality sensors are the only way to implement continuous light control with energy-efficient use of daylight, while demand-driven automation is the only way to guarantee biologically effective, daylight-dependent lighting which is both of outstanding quality and sustainable.

In short, the only way to create the ideal lighting for people's needs is to combine the best possible light quality with just enough intelligence.

LIGHTING

From high-quality floor lamps to striking up/downlights, everything you could possibly need to light up your surroundings brilliantly can be found in our catalogue.

PUBLICATIONS

It could not be simpler: scan the QR code and find all the ESYLUX catalogues, manuals and information brochures on the Internet.
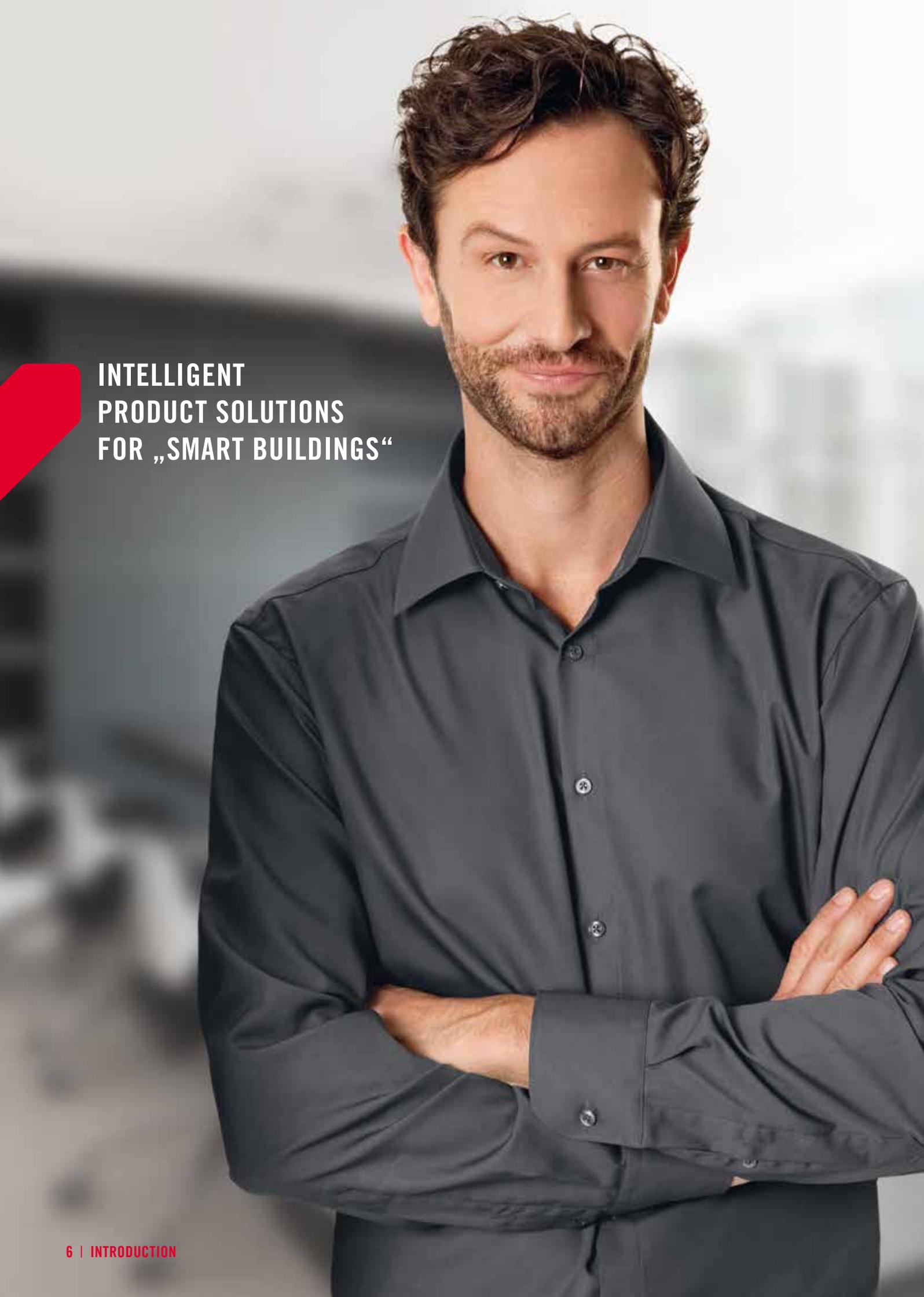
**INTELLIGENT
PRODUCT SOLUTIONS
FOR „SMART BUILDINGS"**

ROOM AUTOMATION FOR MODERN REQUIREMENTS

AS SPECIALISTS IN DEMAND-DRIVEN BUILDING AUTOMATION, ESYLUX PRESENTS A COMPLETE PORTFOLIO OF INNOVATIVE PRODUCT SOLUTIONS WHOSE FUNCTIONALITY IS CONSISTENTLY TARGETED AT USERS' NEEDS.

CAREFULLY MATCHED COMBINATIONS OF SENSITIVE SENSOR TECHNOLOGY, INTELLIGENT CONTROL AND HIGH-QUALITY ACTUATORS IMPROVE QUALITY OF LIFE AND ENSURE THAT ENERGY IS ONLY USED WHEN IT IS REALLY NEEDED.

THIS MEANS THAT ESYLUX TECHNOLOGY SAVES MONEY, PROVIDES PEOPLE WITH MAXIMUM COMFORT AND UNDERLINES THE FACT THAT A WELL-THOUGHT OUT PRODUCT RANGE MEANS EVEN COMPLEX REQUIREMENTS CAN BE FULFILLED VERY EASILY.

ESYLUX — BECAUSE THERE IS AUTOMATICALLY A BETTER SOLUTION.

THE SENSOR
AS THE USER'S ADVOCATE

Faced with the high pace of modern society and the daily flood of new information, an individual is unable to take care of everything themself, nor should they have to. We can help by making their wishes and needs the focus of our technology.

Our intelligent sensors know exactly what people need — their finely tuned „senses" can immediately detect when changes in the environment require a response and supply end devices and actuators with precise information on what to do. In this way, as a central interface on the wall or ceiling, they create an atmosphere that lets people live and work better and be happier and more productive. People can take care of the things that are really important while also saving money.*

*Users of non-residential buildings often feel that energy consumption is not their responsibility, and so neglect to switch off lights and other devices. Demand-driven automation can cut energy costs by up to 70% for lighting alone. **Find out more in our energy efficiency brochure.**

THE ROOM IN FOCUS

Our product range includes solutions for all areas of the building. From the car park to the lobby, in stairwells and along hallways, our technology accompanies individuals in their everyday life.

At the centre of our product development is the holistic automation of individual rooms. Anyone who wants to improve living conditions in a building must focus their expertise on the place where its users spend most of their time.

Whether individual products or a complete solution: our portfolio includes a complete range optimised for areas that are the epicentres of private and professional life, with a particular focus on non-residential buildings.

PROPERTY PORTFOLIO

PROPERTY

BUILDING

AREA

ROOM

SEGMENT
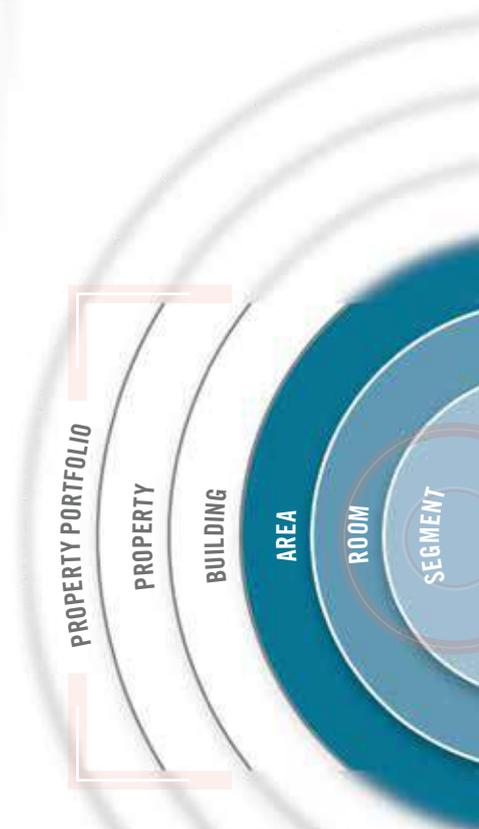
OUR SOLUTIONS

See page **326** onwards for real-life application examples of intelligent room and building automation using our product solutions. You will see concrete examples of ways in which sensors, additional modules and end devices can be combined together and used according to your specific demands.

DESCRIPTION OF SOLUTION

APPLICATION EXAMPLE

CIRCUIT DIAGRAM

RECOMMENDED PRODUCTS
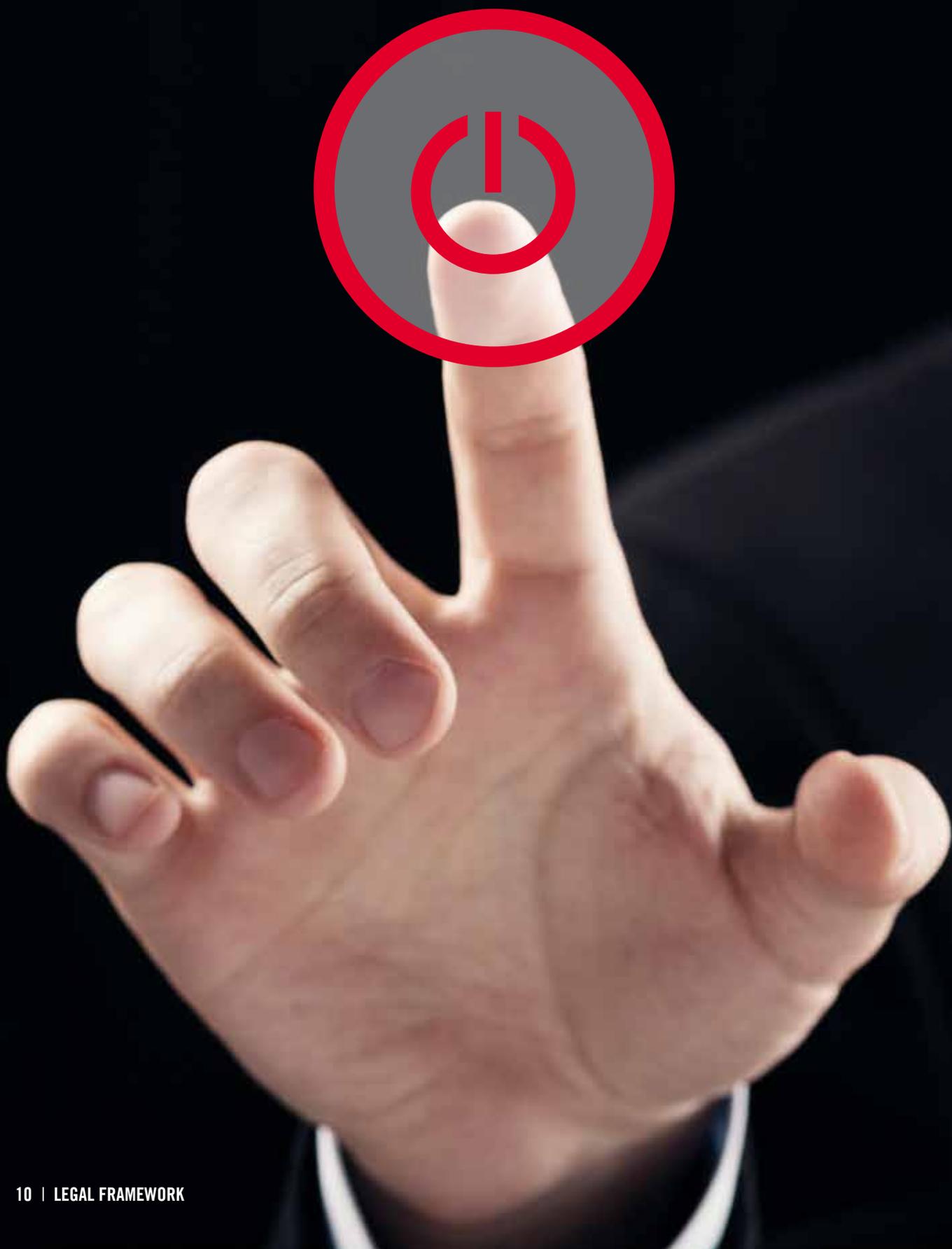
GERMANY
AS A SEAL OF APPROVAL

Top-notch engineering, creative ingenuity and dependable quality — attributes which people all over the world associate with German products. These qualities are therefore placed at the top of the agenda at our headquarters in Ahrensburg, near Hamburg. The German site is our preferred choice for research, development and production activities so that we can monitor all processes and procedures as closely as possible. It also guarantees that all of the components in our products are manufactured with painstaking care and to a high degree of precision. The solutions created in this way are characterised by a high level of quality down to the last detail, helping to renew our customers' trust in us on a daily basis.

A BETTER LIFE THANKS TO COMPLIANCE
WITH THE REQUIRED STANDARDS

Strict compliance with all relevant regulatory and industrial standards during the development process also helps to build confidence in our product solutions. These standards help to protect the health of individuals and avoid overconsumption of the Earth's natural resources. As a sub-sector of building automation, room automation has now become an established feature of normative guidelines on energy saving, as well as an essential basis for combining maximum levels of energy efficiency with standards-compliant equipment for workplaces and functional areas. We deliver the technology to do this.

Our products comply with Version 4 of the LEED standard as specified by the US Green Building Council (USGBC).

NATIONAL AND EUROPEAN LIGHT + HVAC STANDARDS

EPBD 2002/2006
EU directive on the energy performance of buildings

EN 15232
Energy performance of buildings —
impact of building automation and building management

EnEV 2014
Energy Conservation Ordinance

Guideline series **VDI 3813**
"Building automation — Room automation"

Guideline series **VDI 3814**
"Building automation"

Member of:

THE ESYLUX SERVICE PROGRAMME

However well-thought-through a product may be, customers will always have questions. Providing excellent and easy-to-reach service is therefore part of our core philosophy, and a key element in our effort to provide simple solutions. Take advantage of our wide range of product-enhancing services and allow us to provide you with valuable advice. Together, we can develop an individual or system solution tailored to your needs that will help your organisation take a decisive step forwards.

ESYLUX ACADEMY

Informing and instructing our customers is of utmost importance to us.

On a regular basis, the ESYLUX Academy therefore offers electrical planners and installers, architects and employees of electrical wholesalers the opportunity to undertake comprehensive further training — a service that can also be provided on request: the basic principles, standards, current trends and new solutions for planning and project management of demand-orientated control are all covered.

The programme also includes webinars that you can attend easily and free of charge from your own PC for a modern learning experience!

* Since 2013 we are involved as a certified KNX training center.

PLANNING AND PROJECT MANAGEMENT SUPPORT

If it is a question of completing a specific project, we offer on-demand support from the very beginning.

Experts from our project department are available to offer support from the earliest planning stage. They are on hand to help — from selecting the right product through to correct positioning and optimum functional planning. Our experts can also assist you with regard to energy efficiency and identifying and exploiting existing potential. Alternatively, you can find many useful tools on our website, such as our energy-savings calculator. When it comes specifically to light planning, you can also download our ESYLUX plugins for DIAlux and Relux—both leading software providers for light-planning—at any time.

TECHNICAL HOTLINE

If questions need to be answered immediately and with a personal response, we are easy to reach.

Our very own experts are available for you to contact directly via the technical hotline, at no additional cost. Whether you have questions about technical features, assembly or installation, you can therefore receive first-hand, expert advice that is professional, friendly and fast.

You can find our number on the back page of this brochure.

EXTENDED
MANUFACTURER'S WARRANTY

"Quality" is often just an empty promise. For us, it is an obligation.

Even when it comes to the warranty, we interpret the legal requirements as merely a minimum level. For the sake of our customers and to demonstrate our significant confidence in German engineering, we offer an extended three-year manufacturer's warranty for many products!

This means that you can be twice as certain that an ESYLUX product represents a truly long-term solution.

ONLINE DOCUMENTATION

**Information is precious —
if it is easy to find and use.**

So that you can have simple, mobile access to the necessary facts at any time, we present the information regarding our products and technologies on the ESYLUX website in a way that is clear and optimised for all end devices (by using a responsive web design). You can find specific documentation such as operating instructions and data sheets on the respective product pages themselves. Furthermore, in the service section, you can find several supplementary publications such as brochures and videos.

That way, you can stay in the loop — even on the go!

A COMMITMENT
TO ENERGY EFFICIENCY

As specialists in energy-efficiency solutions, we work together with other organisations to produce sustainable buildings.

ESYLUX is a member of the GEEA (*Allianz für Gebäude-Energie-Effizienz* — Alliance for Building Energy Efficiency), a cross-industry alliance with dena (*Deutsche Energie-Agentur GmbH* — the German Energy Agency). We are working with the German Sustainable Building Council to raise the profile of sustainable building with regard to certified "green buildings".

HELP GUIDE

EASY NAVIGATION THROUGH THE ESYLUX CATALOGUES

Table of contents

Are you looking for a specific chapter and the corresponding page number? Then look no further than the table of contents!
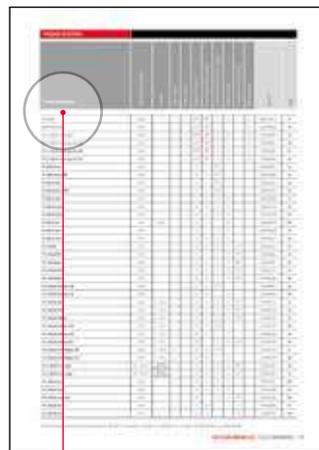
Decision-making tools

Do you already know what specific technical features a product is meant to have? Then it is worth taking a look at our decision-making matrix, which you will find on pages **36 - 41**!

Main sections and subsections

Do you want to know what's behind the respective product categories? On the home pages of the main section you will find a brief introduction to the general topic. A brief overview of selected features of our products serves as a starting point for the subsection.

Icons Product Groups

Do you find it easier to navigate with pictures? Our product group icons appear throughout the catalogue.

The search for simple solutions guides our thought process and actions, and not only in the development of our numerous products. In our publications we also try and keep things as simple and as clear as possible. So that you can find what you really need, in addition to the table of contents we also offer you further tools designed to make the catalogue easy to work with.

Footer for navigation
As a guide, you will find a footer on each page that shows the (sub)section you are currently paging through.
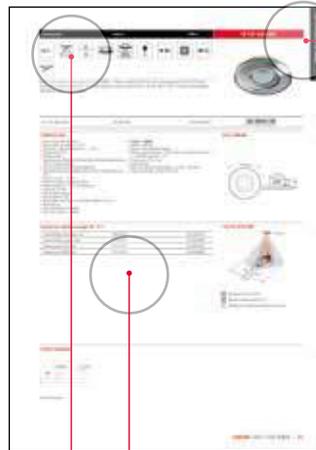
Cross-references to accessories
Have you chosen a product and are looking for suitable accessories? With cross-references we will take you straight to the right place.
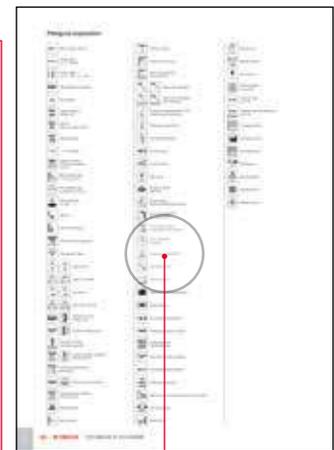
Overview of pictograms
If you do not know what a particular icon means: The explanatory overview can be found on page **380**.

Pictograms
Pictograms on the product pages also help to quickly identify the technical features and capabilities of the products.

Tabs
Are you somewhere in the catalogue and you want to scroll quickly to a different heading? This is best done using the tabs!

SENSORS
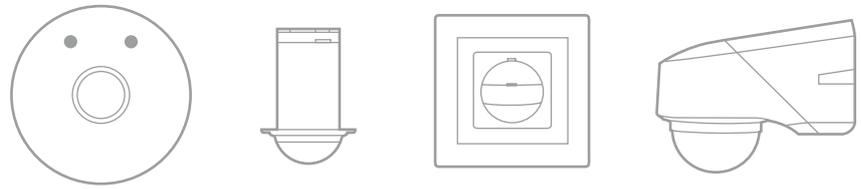
PRESENCE AND MOTION DETECTORS

Eyes, ears, skin and nose - presence and motion detectors from ESYLUX can take on all of these properties if need be. With their sensors they pick up changes in the environment, just like the human senses do – and often with even greater sensitivity! Their high-quality lens design makes the ESYLUX presence and motion detectors ideal time bases in modern building automation. This is because the only way to control light, ventilation and air conditioning systems such that energy consumption is effectively minimised is by using a sophisticated sensor concept. Incidentally, our presence and motion detectors do of course also increase comfort by relieving users of a number of hand movements and adapting precisely to their personal requirements, whether on a local basis in the room or centrally networked. Detectors also improve safety and, if they replace light switches, even improve hygiene.

CONTENTS

PRESENCE AND MOTION DETECTORS
BASIC SERIES

FUNDAMENTALLY EFFICIENT

The BASIC series offers a simple entry route into demand-driven automation. Its presence and motion detectors are ideal for particularly cost-sensitive projects or building areas which require simple functionalities without sacrificing quality. They feature the usual high-quality ESYLUX PIR and light sensors, and provide demand-driven and energy-efficient light switching via an output channel based on the information captured by these sensors. The field of detection can also easily be extended in locations where a single detector is not enough by using a parallel connection or digital communications depending on the operating technology.

Surface mounting
with spacers (included)

Recessed ceiling mounting
with ceiling mounting set C (EP10425929, available separately, **p. 256**)

ADVANTAGES AT A GLANCE:

VERSATILE
Available as presence or motion detectors for ceiling or wall mounting

PROTECTIVE
Zero-cross switching to protect relays

TIME-SAVING
Factory settings for immediate operational readiness

REMOTE CONTROL
Electronic remote control options

WIDE FIELD OF VISION
360° field of detection with a range of 8 m in Ø.

POWERFUL
with 10-A (16-A for wall detectors) high-performance relays and additional button inputs

OVERVIEW OF BASIC SERIES:

	Product designation	Item no.	Page
230 V	MD 180i/16 Basic	EB10430459	46
	MD 180i/16 Basic Set SKJ	EB10430640	47
	MD 180i/16 Basic Set SKK	EB10430626	48
	MD 180i/16 Basic Set EXX	EB10430633	49
	MD 360/8 Basic	EP10430404	50
	MD 360i/8 Basic	EB10430428	50
	MD 360/8 Basic SMB	EB10430497	51
	MD 360i/8 Basic SMB	EB10430466	51
	PD 360/8 Basic	EP10430411	52
	PD 360i/8 Basic	EB10430435	52
	PD 360/8 Basic SMB	EB10430480	53
	PD 360i/8 Basic SMB	EB10430473	53

	Product designation	Item no.	Page
KNX	PD 360/8 KNX Basic	EB10430442	189

WANT TO KNOW MORE?

For more information on the detectors in the BASIC series, simply scan the QR code!

PRESENCE AND MOTION DETECTORS
COMPACT SERIES
CEILING-MOUNTED DETECTORS

THE ALL-ROUNDER

The PD-C/MD-C presence and motion detectors have successfully built themselves a reputation among our range of sensors not only as traditional favourites, but also as all-rounders. Their robust design and high level of performance are just as impressive as their huge versatility in terms of applications. The many different versions include ceiling and wall detectors for 230 V, KNX or DALI, with simple options for surface mounting, flush mounting or recessed mounting, and fields of detection ranging from 8 to 24 metres. The bandwidth they provide allows either one or two-channel switching or dimming of lights. If there is a requirement to switch HVAC devices based on presence, suitable solutions are also available for this purpose.

Cover and design ring
Quick and easy to replace/paint (silver as accessory, **p. 255**)

Recessed ceiling mounting
with ceiling mounting set C (EP10425929, available separately **p. 256**)

THE ADVANTAGES OF CEILING DETECTORS AT A GLANCE:

REMOTE CONTROL
with blue mode technology

SENSITIVE TO EVERY SOUND
also available with acoustic sensors

SECURE
available as DRY version with floating contact

COST-EFFECTIVE
only uses approx. 0.3 W

FLEXIBLE
Surface mounting, flush mounting or recessed mounting, one and two channel switching and dimming devices, KNX , DALI or 12–36 V

VERSATILE
Presence or motion detectors 360° field of detection, 8 m, 24 m or 32 m range

OVERVIEW OF COMPACT SERIES CEILING DETECTORS:

	Product designation	Item no.	Page
230 V	MD-C360i/8	EP10055393	76
	MD-C360i/8 MIC	EP10425875	77
	MD-C360i/24	EP10055317	78
	PD-C360i/8	EP10425059	83
	PD-C360i/8 MIC	EP10425882	84
	PD-C360i/8plus	EP10425042	84
	PD-C360i/24 DRY	EP10425707	87
	PD-C360i/24plus	EP10425288	88
	PD-C360i/24 DUOplus-SM	EP10426810	89
	PD-C360i/24 DUOplus-FM	EP10426803	90
	PD-C360i/8 DIM	EP10426711	92
	PD-C360i/8 DIMplus	EP10425332	93
	PD-C360i/24 DIM	EP10426704	94
	PD-C360i/24 DIMplus-FM	EP10426728	95
	PD-C360i/24 DIMplus-SM	EP10426735	96
	PD-C360i/24 DUODIMplus-SM	EP10426759	97
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	PD-C 360i/8 CU-C Light	EP10427602	86
	PD-C 360i/24 CU-C Light	EP10427619	91

	Product designation	Item no.	Page
DALI	PD-C360i/8 DUO DALI	EP10427442	171
	PD-C360i/24 DUO DALI	EP10427459	172
KNX	PD-C360i/8 KNX UP	EP10427404	196
	PD-C360i/24 KNX ECO UP	EP10427435	197
	PD-C360i/24 KNX UP	EP10427428	198
12 - 36 V	PD-C360i/8 DC24Vplus	EP10425349	219
	PD-C360i/24 DC24Vplus	EP10425318	220
	PD-C360i/8 UC	EP10427312	224
	PD-C360i/24 UC	EP10427329	226

WANT TO KNOW MORE?

For more information on the ceiling detectors in the COMPACT series, simply scan the QR code!

PRESENCE AND MOTION DETECTORS
COMPACT SERIES
WALL-MOUNTED DETECTORS

Cover IP 20
with frame, available in five different colours

Cover IP 44
suitable for humid areas such as bathrooms, basements and garages

Surface-mounted box IP 20/IP 44
with triple diaphragm line entrance

Cover and surface-mounted box IP 20/IP 44

for surface and flush mounting

IP 20 SKJ	IP 20 SKK	IP 20 EXX	IP 20 BS1	IP 20 BM2	IP 20 BJSI	IP 20 G55
Design compatible with Schneider Electric Trend	Design compatible with Elko RS/PLUS	Design compatible with Schneider Electric Exxact	Design compatible with Berker S1	Design compatible with Berker Modul 2	Design compatible with Bush-Jäger Reflex	Design compatible with Gira Standard 55

Cover IP 20

in many different colours and designs

Example:
PD-C180i/16 TOUCH sensor insert

+

Individual switch range
Single or multi-frames from the switch manufacturer

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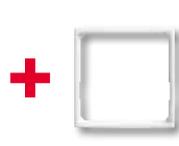
Subframe
as adapter for 50 x 50 mm standard cut-out in accordance with DIN 49075 (switch manufacturer accessory)

+
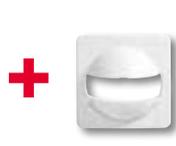
Cover
for wall detectors different colours (accessory)

=

PD-C180i/16 TOUCH

PD-C180i/16 TOUCH
e.g. in individual switch range

Compatible with brand switches

with all popular brand switch ranges

THE ADVANTAGES OF WALL DETECTORS AT A GLANCE:

REMOTE CONTROL
options for electronic remote control

SENSITIVE TO EVERY SOUND
also available with acoustic sensors

VARIETY OF LOOKS
Covers available in various designs, compatible with brand switches

VERSATILE
available in 230 V, KNX or 12–36 V versions

WIDE FIELD OF VISION
180° field of detection with a range of 16 m in Ø.

POWERFUL
with 16-A high-performance relay and additional button input

OVERVIEW OF COMPACT SERIES WALL DETECTORS:

	Product designation	Item no.	Page
230 V	MD-C180i/16 Touch	EP10428517	72
	MD-C180i/16 Touch Set SKJ	EP10002472	73
	MD-C180i/16 Touch Set SKK	EP10002489	74
	MD-C180i/16 Touch Set EXX	EP10002496	75
	PD-C180i/16 Touch plus	EP10428500	79
	PD-C180i/16 Touch plus Set SKJ	EP10002441	80
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	PD-C180i/16 Touch plus Set EXX	EP10002465	82

	Product designation	Item no.	Page
KNX	PD-C180i KNX	EP10426445	190
	PD-C180i KNX ECO	EP10426452	191
	PD-C180i/16 Touch KNX	EP10460104	192
	PD-C180i/16 Touch KNX Set SKJ	EP10460128	193
	PD-C180i/16 Touch KNX Set SKK	EP10460135	194
	PD-C180i/16 Touch KNX Set EXX	EP10460142	195
12 - 36 V	PD-C180i/16 UC	EP10427305	223

WANT TO KNOW MORE?

For more information on the wall detectors in the COMPACT series, simply scan the QR code!

PRESENCE AND MOTION DETECTORS
COMPACT EXPRESS SERIES

HIDDEN HEROES

One of the reasons why the presence and motion detectors in the CE series are so impressive is their well-thought-out and compact design. The concept is designed to allow flush-mounted installation, guaranteeing a discreet appearance and ensuring that only the detector lens remains visible. The large wiring space makes it easy to connect detectors, and the practical plug-in terminals and optional plug-in connec-

tors ensure that the installation procedure is straightforward. As is usually the case for ESYLUX products, preconfigured factory settings mean that the system can be commissioned immediately. Easy-to-use remote control options mean that the parameters can also be adjusted to specific requirements at any later point.
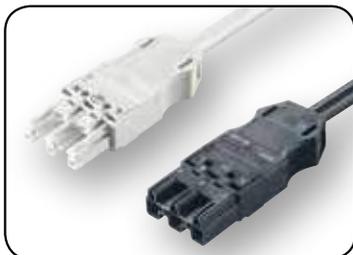
Plug&Play solution:

Also available with 1 m pre-assembled Wieland/GST or WAGO plug-in connector for safe, quick and trouble-free installation.

ADVANTAGES AT A GLANCE:

TIME-SAVING
Thanks to spring clamp installation for 68-mm standard bore and Plug&Play using factory settings

COMPACT
Complete device with integrated power section, double insulation

REMOTE CONTROL
with blue mode technology

COST-EFFECTIVE
only uses approx. 0.3 W

DISCREET
Recessed ceiling mounting, only the lens is visible

VERSATILE
Presence or motion detectors with 8 or 24-m field of detection

OVERVIEW OF COMPACT EXPRESS SERIES:

	Product designation	Item no.	Page
	MD-CE360i/8	EP10510007	108
	MD-CE360i/8 GST	EP10510014	109
	MD-CE360i/8 WAGO	EP10510045	110
	MD-CE360i/24	EP10510021	111
	MD-CE360i/24 GST	EP10510038	112
	MD-CE360i/24 WAGO	EP10510052	113
230 V	PD-CE360i/8	EP10510700	114
	PD-CE360i/8 GST	EP10510717	115
	PD-CE360i/8 WAGO	EP10510786	116
	PD-CE360i/24	EP10510724	117
	PD-CE360i/24 GST	EP10510731	118
	PD-CE360i/24 WAGO	EP10510793	119

	Product designation	Item no.	Page
12 - 36 V	PD-CE360i/24 UC	EP10427336	227

WANT TO KNOW MORE?

For more information on the detectors in the COMPACT EXPRESS series, simply scan the QR code!

PRESENCE AND MOTION DETECTORS
COMPACT MINI SERIES
FLAT MINI SERIES

TINY BUT POWERFUL

Our mini detectors are an ideal solution for rooms whose aesthetic design would be marred by the presence of technical components. Their tiny housings and extremely low installation heights mean that they retreat unobtrusively into the background, while nevertheless keeping a close eye on everything thanks to their high-quality sensor technology. The mini sensors are available for all common operating technologies, and consistently impress clients thanks to the particular ease of installation. If a cavity is available, installation is a straightforward procedure using a locking ring or spring clamp. For concrete walls, the practical locking ring can be used for rapid and straightforward installation in brand switches.

Compatible with brand switches

The PD-C / MD-C360i/6 mini can be used to replace any conventional switch — also suitable for multi-switch frames

Original size 1:1

Small, unobtrusive and functional:
e.g. PD-C / MD-C360i/6 mini

ADVANTAGES AT A GLANCE:

VERSATILE
360° field of detection, 6, 8 or 12-m range, available for 230 V, DALI, KNX or 12–36 V

COMPACT
Saves space thanks to integrated power section and high-performance relay

REMOTE CONTROL
with blue mode technology

TIME-SAVING
with locking ring or spring clamp installation

COST-EFFECTIVE
Only 0.3-W energy consumption

OVERVIEW OF COMPACT-MINI and FLAT-MINI SERIES:

	Product designation	Item no.	Page
230 V	MD-C360i/6 mini	EP10425851	124
	MD-C360i/8 mini	EP10426001	125
	MD-C360i/8 mini-3m	EP10427008	125
	MD-C360i/12 mini	EP10426018	126
	PD-C360i/6 mini	EP10425868	127
	PD-C360i/8 mini	EP10426025	128
	PD-C360i/8 mini-3m	EP10427015	128
	PD-C360i/12 mini	EP10426032	129
	PD-C360i/12 mini-3m	EP10427022	129
	PD-C360i/8 mini DIM	EP10426049	130
	PD-C360i/12 mini DIM	EP10426056	131

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DALI	PD-FLAT 360i/6 mini DALI	EP10427503	168
	PD-C 360i/8 mini DALI	EP10427510	169
KNX	PD-C360i/8 mini KNX	EP10426155	199
	PD-C360i/12 mini KNX	EP10426162	200
	LS FLAT mini KNX	ED10429002	232
12-36 V	MD-C360i/6 mini 12V	EP10425776	218
	PD-C360i/8 mini UC	EP10427343	225

WANT TO KNOW MORE?

For more information on the detectors in the COMPACT/FLAT mini series, simply scan the QR code!

DESIGNER PRESENCE AND MOTION DETECTORS
FLAT SERIES

OUTSTANDINGLY FLAT

Whether in the entrance area of an upmarket wellness hotel or a prestigious board office — many locations feature exquisite interior décor which demands equally attractive room technology. The FLAT presence and motion detectors by ESYLUX fulfil this requirement with stylish elegance.

The lenses are flattened in order to ensure a particularly discreet appearance. The wide variety of cover designs means that the ideal choice is available for every taste — round or rectangular designs in various colours, and even with a glazed surface where necessary. The FLAT detectors combine energy efficiency, comfort and safety with elegance, whether on the wall or ceiling.
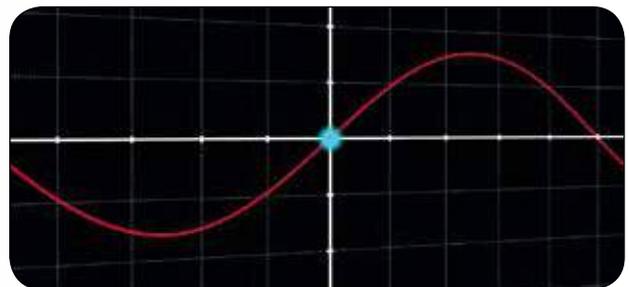
Zero-cross switching

Thanks to their zero-cross switching behaviour, the 230-V detectors protect their own relays, providing a highly sustainable operating concept.

WANT TO KNOW MORE?

For more information on the designer detectors in the FLAT series, simply scan the QR code!

ADVANTAGES AT A GLANCE:

VERSATILE
Available as a 230 V device or DALI version, with GST plug-in connector or including a ceiling mounting box

TIME-SAVING
DALI broadcast for simple activation

VARIETY OF LOOKS
Available in many housing designs

FLAT
Just 6.8 mm when surface-mounted on ceilings

WIDE FIELD OF VISION
Range of more than 8 m in Ø at an installation height of 3 m.

AUTONOMOUS
Independent configuration of DALI electronic ballasts

OVERVIEW OF FLAT SERIES:

	Product designation	Item no.	Page
230 V	MD-FLAT-E 360i/8 RW	EP10428548	140
	MD-FLAT-E 360i/8 RW GST	EP10427862	141
	MD-FLAT 360i/8 RW	EP10427886	136
	MD-FLAT 360i/8 RG	EP10428029	137
	MD-FLAT 360i/8 SW	EP10427893	138
	MD-FLAT 360i/8 GRG	EP10428043	139
	PD-FLAT-E 360i/8 RW	EP10428555	147
	PD-FLAT-E 360i/8 RW GST	EP10427879	148
	PD-FLAT 360i/8 RG	EP10428036	144
	PD-FLAT 360i/8 SW	EP10427923	145
	PD-FLAT 360i/8 RW	EP10427930	142
	PD-FLAT 360i/8 SB	EP10427947	146
	PD-FLAT 360i/8 RB	EP10427954	143
	PD-FLAT 360i/8 GRW	EP10427961	149
	PD-FLAT 360i/8 GRB	EP10427978	150
	PD-FLAT 360i/8 GRG	EP10428050	151
	PD-FLAT 360i/8 GSW	EP10427985	152
	PD-FLAT 360i/8 GSB	EP10427992	153

|	Product designation	Item no.	Page
DALI	PD-FLAT 360i/8 RW DALI	EP10427541	173
	PD-FLAT 360i/8 SW DALI	EP10427558	175
	PD-FLAT 360i/8 GRW DALI	EP10427565	177
	PD-FLAT 360i/8 GSW DALI	EP10427572	179
	PD-FLAT 360i/8 GRB DALI	EP10427589	178
	PD-FLAT 360i/8 GSB DALI	EP10427596	180
	PD-FLAT 360i/8 SB DALI	EP10427909	176
	PD-FLAT 360i/8 RB DALI	EP10427916	174
KNX	PD-FLAT 360i/8 RW KNX	EP10451706	201
	PD-FLAT 360i/8 RB KNX	EP10451768	202
	PD-FLAT 360i/8 RG KNX	EP10451799	203
	PD-FLAT 360i/8 SW KNX	EP10451713	204
	PD-FLAT 360i/8 SB KNX	EP10451775	205
	PD-FLAT 360i/8 GRW KNX	EP10451720	206
	PD-FLAT 360i/8 GRB KNX	EP10451744	207
	PD-FLAT 360i/8 GRG KNX	EP10451782	208
	PD-FLAT 360i/8 GSW KNX	EP10451737	209
	PD-FLAT 360i/8 GSB KNX	EP10451751	210

OUTDOOR MOTION DETECTORS
RC SERIES

FLEXIBLE DETECTION
FOR YOUR FAÇADE

Outdoor motion detectors require not only reliable and accurate sensors, but crucially also a robust and weather-resistant design. Our RC series is sure to last for many years in outdoor environments thanks to the use of appropriate protection types and guaranteed resistance to extreme temperatures. Not only that, but they also feature a high level of adaptability to local outdoor conditions. As well as 360° anti-creep protection, the RC motion detectors also feature a special base which allows simple installation on both inner and outer corners — whether on the wall or ceiling!
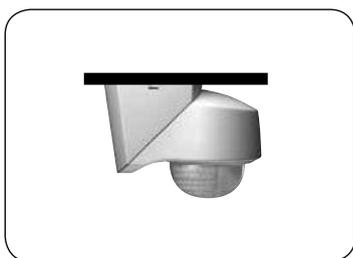
Ceiling mounting
Without accessories — simply turn the base
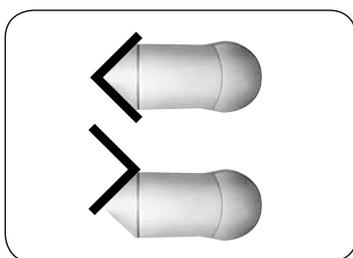
Corner mounting
With accessory part: RC corner bracket **p. 262**

ADVANTAGES AT A GLANCE:

VERSATILE
130, 230 or 280° field of detection, white, brown, black and stainless steel appearance

FLEXIBLE
Range can be altered by mechanically adjusting the internal lens mask

TIME-SAVING
Problem-free installation thanks to the special base

VANDAL-PROOF
thanks to retractable setting elements

COST-EFFECTIVE
only uses approx. 0.3 W

FLEXIBLE II
Field of detection can by adjusted by horizontally rotating the head and lens mask

VERSATILE
Suitable for mounting on interior and exterior corners and for ceiling mounting

ALERT
with 360° anti-creep protection

OVERVIEW OF RC SERIES:

	Product designation	Item no.	Page
230 V	RC 130i white	EM10015014	161
	RC 130i black	EM10015212	161
	RC 130i brown	EM10015113	161
	RC 230i white	EM10015311	162
	RC 230i black	EM10015519	162
	RC 230i brown	EM10015410	162
	RC 230i stainless steel appearance	EM10015618	162
	RC 280i white	EM10015717	163
	RC 280i black	EM10015915	163
	RC 280i brown	EM10015816	163

	Product designation	Item no.	Page
KNX	RC 230i KNX white	EM10015472	188
12 - 36 V	RC 230i UC white	EM10015649	222

WANT TO KNOW MORE?

For more information on the detectors in the RC SERIES, simply scan the QR code!

KNX PRESENCE AND MOTION DETECTORS
ATMO®SERIES

POWERFUL MULTI-SENSORS

The ATMO presence detector is the perfect example to demonstrate the capability and the potential of our technology, using just one product solution. At its highest level of configuration, its unique multi-sensor technology enables it to detect changes in lighting, humidity, temperature and air quality and ensure optimal brightness as well as maintaining a healthy, productive and comfortable ambient climate. An acoustic sensor can be used to complement the PIR presence detectors in particularly challenging situations. With a total of six "senses" in just one device, there is no need for several individual solutions. This shows just how easy it is to accommodate complex requirements using intelligent technology.

FOCUS ON HEALTH, PERFORMANCE AND ENERGY EFFICIENCY

Air quality is often regarded as synonymous with CO2 content. But CO2 is only one of many contributory factors, not to mention that it is odourless. The VOC value is much more informative*: This measures anthropogenic emissions, e.g. from plastics and construction materials, carpets or cleaning agents, as well as biogenic emissions from people or foodstuffs. All of these are everyday occurrences, particularly in enclosed spaces.

The problem is that excessive concentrations of these mixed gases can have a negative effect on people's moods, as well as causing typical symptoms of "sick building syndrome" such as sore eyes, headaches, tiredness or dizziness. All of these have the effect of reducing staff efficiency, and VOCs are therefore the single most important reason to ventilate a building.

At its highest configuration level, ATMO solves this problem automatically and saves energy in the process. As well as ensuring that rooms are only ventilated when they are oc-cupied, the series also restricts the operation of ventilation systems to times when they are actually needed on the basis of current air quality.
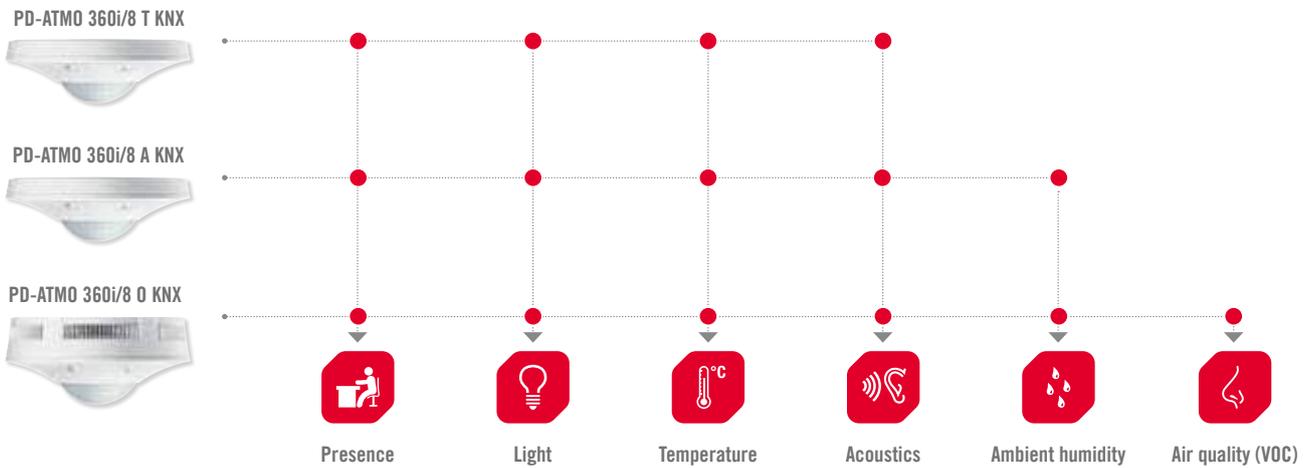
*VOC stands for Volatile Organic Compounds
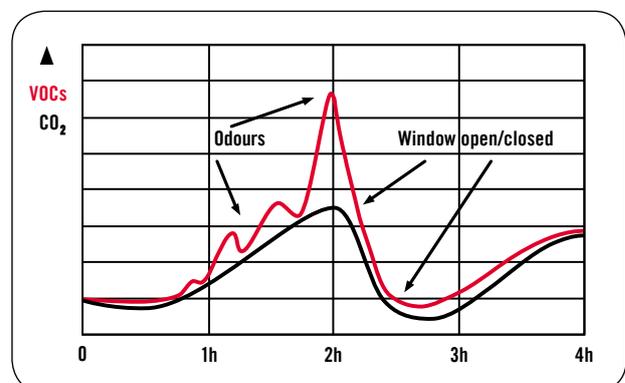
Use in a conference room:

CO_2 sensors (black) do not react to odours, cigarette smoke or other VOCs. VOC sensors (red) therefore perform measurements which are much more targeted to user needs.

6 SENSES IN ONE DEVICE

PD-ATMO 360i/8 T KNX

PD-ATMO 360i/8 A KNX

PD-ATMO 360i/8 O KNX

| Presence | Light | Temperature | Acoustics | Ambient humidity | Air quality (VOC) |

PLUS X AWARD®
2014 achieved for:
Design

PLUS X AWARD®
2014 achieved for:
Ease of Use

PLUS X AWARD®
2014 achieved for:
Functionality

OVERVIEW OF THE ATMO® SERIES:

	Product designation	Item no.	Page
KNX	PD-ATMO 360i/8 T KNX	EP10427213	211
	PD-ATMO 360i/8 A KNX	EP10427206	212
	PD-ATMO 360i/8 O KNX	EP10427220	213

WANT TO KNOW MORE?

For more information on the ATMO® sensors, simply scan the QR code!

PRESENCE DETECTORS

Premises with **natural light** that are used for extended periods, particularly suitable for seated activities.

APPLICATION EXAMPLES

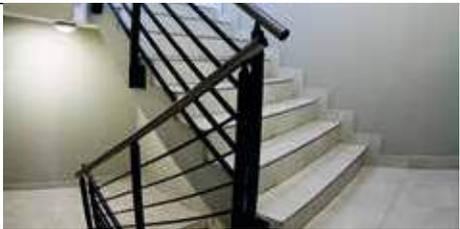|	
- Offices - Classrooms - Meeting and conference rooms - Archives - Libraries	
- Corridors/hallways - Stairwells - Basements - Bathrooms/toilets	
- Sports halls - Storage and exhibition halls - Industrial and commercial facilities - Car parks	

HOW IT WORKS

- Responds to even the **smallest of movements and presence**, including in particular seated activities	**Sensing**
- **Indoors** - Maximum energy savings: With automatic light control according to use and the amount of natural light available - Premises **with natural light** that are used for long periods - Switching when required or desired - Constant light control/DIM - Further control options, such as activation of heating, ventilation, air-conditioning (HVAC)	**Area of application**
- **Light + HVAC** (heating, ventilation, air conditioning) - **Light 1 + Light 2** (individual light measurement per switching output) **+ HVAC** - **Light/1–10 V** (continuous light control/DIM) **+ HVAC** - **KNX, DALI/DSI**	**Switching output/activation**
- **Light channel:** Activated according to availability of natural light and presence. - **HVAC channel:** Only with presence - **Light measurement remains active:** If the ambient/natural light is sufficient, the artificial light/light channel is switched off despite the detected motion = mixed photometry	**Switch-on criterion + light measurement**

MOTION DETECTORS

For premises without or **with very little natural light**,
that are used for short periods or with greater movement.

APPLICATION EXAMPLES

- Corridors/hallways
- Stairwells
- Entrance areas
- Basements
- Cellar and storage rooms
- Side rooms

- Underground car parks
- Garages
- Car parks

- Changing rooms
- Bathrooms
- Baths
- Toilets

HOW IT WORKS

|	
- Respond to **larger walking movements**	**Sensing**
- **Indoors** - Energy savings - Premises **without or with very little natural light** that are used for short periods - Switching when required or desired - Security in dark areas, particularly walkways - Also with protection type IP 54/55/65	**Area of application**
- **Light**	**Switching output**
- **Light channel:** Simple switching output, with switching according to the ambient brightness (ambient light is below the light value preset on the detector) and motion. - **Photometry is no longer active after activation:** Consumers/artificial light remains switched on as long as motion is detected = unique photometry	**Switch-on criterion + light measurement**

SIMPLE

TO THE RIGHT PRODUCT

It is not always easy to find the correct product in an extensive product range. The product key and the selection matrix on the following pages are intended to help you identify the correct presence or motion detector.

The product key defines in brief what the various designations of our detectors signify. By using the product key, you can often tell from the product name alone whether a particular product is the right one for you. And if you need more precise information, then the selection matrix provides a clear listing of all the key technical features. That means you can quickly find out which products are suitable for your purposes, and where they can be found in the catalogue.

Product key - Example

| P | D | - | C | 3 | 6 | 0 | i | / | 2 | 4 | D | I | M | p | l | u | s |

1.   2.   3.   4.   5.   6.
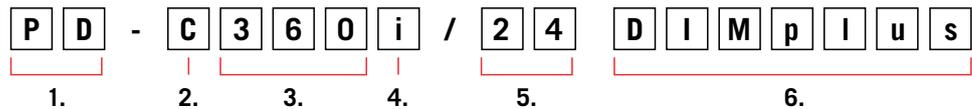
1. Device type			
	PD	=	Presence detectors
	MD	=	Motion detectors

2. Series			
	BASIC	=	Introductory products
	C	=	Compact
	CE	=	Compact Express (recessed ceiling mounted version)
	mini	=	small recessed ceiling mounted version
	FLAT	=	flat construction
	ATMO	=	Multisensor
	RC	=	high quality outdoor sensor

3.			
	Sensing range		in degrees

4.			
	Remote controllable		i = infrared

5.			
	Ø Range		in meters (mounting height 3 m)

6. Function			
	plus	=	HVAC contact
	Touch	=	Operation possible by touch
	MIC	=	In-built acoustic sensor
	DRY	=	Break contact/floating
	DUO	=	2-channel light measurement
	DIM	=	Continuous lighting control
	R	=	Relay output
	CU-C Light	=	for ESYLUX Light Control
	DC24V	=	12 - 24 V DC
	DALI	=	DALI lighting control
	KNX	=	KNX (EIB) bus technology
	UP	=	Software upgrade
	ECO	=	Product variant with reduced functionality
	UC	=	12 - 36 V AC/DC
	SM	=	Surface-mounted version
	SMB	=	Surface-mounted version including box
	FM	=	Flush-mounted version
	GST	=	Pre-assembled WIELAND/GST 18-line
	WAGO	=	Pre-assembled WAGO WINSTA® line
	Slave	=	Auxiliary post

Product designation	Mains / Supply voltage	Interface	Light channel	HVAC channel	Range (Ø in meter)	Operating Area (Ø in meter)	Surface mounting (with accessory)	Flush mounting	Recessed ceiling mounting	Wall mounting	Item no.	Page
PD 180i/R	230 V	-	1	1	16[3]	8[4]	•	•	-	•	EM10410017	57
MD/PD 180 Slave	230 V	-	-	-	16[3]	6[4]	-	-	-	•	EM10410024	58
PD-C 180i/16 Touch plus	230 V	-	1	1	16[3]	8[4]	•	•	-	•	EP10428500	79
PD-C 180i/16 Touch plus Set SKJ	230 V	-	1	1	16[3]	8[4]	•	•	-	•	EP10002441	80
PD-C 180i/16 Touch plus Set SKK	230 V	-	1	1	16[3]	8[4]	•	•	-	•	EP10002458	81
PD-C 180i/16 Touch plus Set EXX	230 V	-	1	1	16[3]	8[4]	•	•	-	•	EP10002465	82
PD 360/8 Basic	230 V	-	1	-	8	4	•[1]	-	-	-	EB10430411	52
PD 360/8 Basic SMB	230 V	-	1	-	8	4	•[1]	-	-	-	EB10430480	53
PD 360i/8 Basic	230 V	-	1	-	8	4	•[1]	-	-	-	EB10430435	52
PD 360i/8 Basic SMB	230 V	-	1	-	8	4	•[1]	-	-	-	EB10430473	53
PD 360i/8 white	230 V	-	1	-	8	4	•	•	-	-	EM10425004	61
PD 360i/24 white	230 V	-	1	-	24	8	•	•	-	-	EM10425103	62
PD 360i/Korridor	230 V	-	1	1	40	6	•	•	-	-	EM10425158	63
PD 360i/8 LIN	LIN	RJ45	-	-	8	4	-	•	-	-	EB10430619	283
PD 360/8 Slave	230 V	-	x	-	8	4	•	•	-	-	EM10425028	64
PD 360/24 Slave	230 V	-	x	-	24	8	•	•	-	-	EM10425127	65
PD-C360i/8	230 V	-	1	-	8	4	•	•	•[2]	-	EP10425059	83
PD-C360i/8 MIC	230 V	-	1	-	8	4	•	•	•[2]	-	EP10425882	85
PD-C360i/8plus	230 V	-	1	1	8	4	•	•	•[2]	-	EP10425042	84
PD-C360i/24 DRY	230 V	-	2	-	24	8	•	•	•[2]	-	EP10425707	87
PD-C360i/24plus	230 V	-	1	1	24	8	•	•	•[2]	-	EP10425288	88
PD-C360i/24 DUOplus-SM	230 V	-	2	1	24	8	•[1]	-	-	-	EP10426810	89
PD-C360i/24 DUOplus-FM	230 V	-	2	1	24	8	-	•	-	-	EP10426803	90
PD-C360i/8 DIM	230 V	1 - 10 V ⎓	1	-	8	4	•	•	•[2]	-	EP10426711	92
PD-C360i/24 DIM	230 V	1 - 10 V ⎓	1	-	24	8	•	•	•[2]	-	EP10426704	94
PD-C360i/8 DIMplus	230 V	1 - 10 V ⎓	1	1	8	4	•	•	•[2]	-	EP10425332	93
PD-C360i/24 DIMplus-SM	230 V	1 - 10 V ⎓	1	1	24	8	•[1]	-	-	-	EP10426735	96
PD-C360i/24 DIMplus-FM	230 V	1 - 10 V ⎓	1	1	24	8	-	•	-	-	EP10426728	95
PD-C360i/24 DIMplus WH	230 V	1 - 10 V ⎓	1	1	32	-	•	•	•[2]	-	EP10425783	99
PD-C360i/24 DUODIMplus-SM	230 V	1 - 10 V ⎓	2	1	24	8	•[1]	-	-	-	EP10426759	97
PD-C360i/24 DUODIMplus-FM	230 V	1 - 10 V ⎓	2	1	24	8	-	•	-	-	EP10426742	98
PD-C 360i/8 CU-C Light	9,5 - 22,5 V ⎓	ESYLUX Light Control	-	-	8	4	•	•	•[2]	-	EP10427602	86
PD-C 360i/24 CU-C Light	9,5 - 22,5 V ⎓	ESYLUX Light Control	-	-	24	8	•	•	•[2]	-	EP10427619	91
PD-C360/8 Slave	230 V	-	-	-	8	4	•	•	-	-	EP10055379	100
PD-C360/24 Slave	230 V	-	-	-	24	8	•	•	-	-	EP10055386	101
PD-C360/24 Slave WH	230 V	-	-	-	32	-	•	•	•[2]	-	EP10425790	102
PD-C360i/6 mini	230 V	-	1	-	6	2,5	-	-	•	-	EP10425868	127
PD-C360i/8 mini	230 V	-	1	-	8	3	-	-	•	-	EP10426025	128

(1) incl. Surface mounted box; (2) with accessory; (3) 180°, 8 m in radius; (4) Head-on to detector, 3 m in radius; (5) with SW DALI as switch actuator

Product designation	Mains / Supply voltage	Interface	Light channel	HVAC channel	Range (Ø in meter)	Operating Area (Ø in meter)	Surface mounting (with accessory)	Flush mounting	Recessed ceiling mounting	Wall mounting	Item no.	Page
PD-C360i/8 mini-3m	230 V	-	1	-	8	3	-	-	•	-	EP10427015	128
PD-C360i/12 mini	230 V	-	1	-	12	4	-	-	•	-	EP10426032	129
PD-C360i/12 mini-3m	230 V	-	1	-	12	4	-	-	•	-	EP10427022	129
PD-C360i/8 mini DIM	230 V	1 - 10 V ⎓	1	-	8	3	-	-	•	-	EP10426049	130
PD-C360i/12 mini DIM	230 V	1 - 10 V ⎓	1	-	12	4	-	-	•	-	EP10426056	131
PD-C360/8 mini Slave	230 V	-	-	-	8	3	-	-	•	-	EP10426063	132
PD-C360/12 mini Slave	230 V	-	-	-	12	4	-	-	•	-	EP10426070	133
PD-CE360i/8	230 V	-	1	-	8	4	-	-	•	-	EP10510700	114
PD-CE360i/8 GST	230 V	-	1	-	8	4	-	-	•	-	EP10510717	115
PD-CE360i/8 WAGO	230 V	-	1	-	8	4	-	-	•	-	EP10510786	116
PD-CE360i/24	230 V	-	1	-	24	8	-	-	•	-	EP10510724	117
PD-CE360i/24 GST	230 V	-	1	-	24	8	-	-	•	-	EP10510731	118
PD-CE360i/24 WAGO	230 V	-	1	-	24	8	-	-	•	-	EP10510793	119
PD-CE360/8 Slave	230 V	-	-	-	8	4	-	-	•	-	EP10510748	120
PD-CE360/24 Slave	230 V	-	-	-	24	8	-	-	•	-	EP10510755	121
PD-FLAT 360i/8 RW	230 V	-	1	-	8	4	-	•	•(2)	-	EP10427930	142
PD-FLAT 360i/8 RB	230 V	-	1	-	8	4	-	•	•(2)	-	EP10427954	143
PD-FLAT 360i/8 RG	230 V	-	1	-	8	4	-	•	•(2)	-	EP10428036	144
PD-FLAT 360i/8 SW	230 V	-	1	-	8	4	-	•	•(2)	-	EP10427923	145
PD-FLAT 360i/8 SB	230 V	-	1	-	8	4	-	•	•(2)	-	EP10427947	146
PD-FLAT 360i/8 GRW	230 V	-	1	-	8	4	-	•	•(2)	-	EP10427961	149
PD-FLAT 360i/8 GRB	230 V	-	1	-	8	4	-	•	•(2)	-	EP10427978	150
PD-FLAT 360i/8 GRG	230 V	-	1	-	8	4	-	•	•(2)	-	EP10428050	151
PD-FLAT 360i/8 GSW	230 V	-	1	-	8	4	-	•	•(2)	-	EP10427985	152
PD-FLAT 360i/8 GSB	230 V	-	1	-	8	4	-	•	•(2)	-	EP10427992	153
PD-FLAT-E 360i/8 RW	230 V	-	1	-	8	4	-	•	•	-	EP10428555	147
PD-FLAT-E 360i/8 RW GST	230 V	-	1	-	8	4	-	•	•	-	EP10427879	148
PD 360i/8 DALI ADR	9,5 - 22,5 V ⎓	DALI	1	-	8	3	•	•	•(2)	-	EM10210709	170
PD-C360i/8 mini DALI	9,5 - 22,5 V ⎓	DALI	1	•(5)	8	3	-	-	•	-	EP10427510	169
PD-FLAT 360i/6 mini DALI	9,5 - 22,5 V ⎓	DALI	1	•(5)	6	2,5	-	-	•	-	EP10427503	166
PD-FLAT 360i/8 RW DALI	9,5 - 22,5 V ⎓	DALI	1	•(5)	8	4	-	•	•(2)	-	EP10427541	171
PD-FLAT 360i/8 RB DALI	9,5 - 22,5 V ⎓	DALI	1	•(5)	8	4	-	•	•(2)	-	EP10427916	174
PD-FLAT 360i/8 SW DALI	9,5 - 22,5 V ⎓	DALI	1	•(5)	8	4	-	•	•(2)	-	EP10427558	175
PD-FLAT 360i/8 SB DALI	9,5 - 22,5 V ⎓	DALI	1	•(5)	8	4	-	•	•(2)	-	EP10427909	176
PD-FLAT 360i/8 GRW DALI	9,5 - 22,5 V ⎓	DALI	1	•(5)	8	4	-	•	•(2)	-	EP10427565	177
PD-FLAT 360i/8 GRB DALI	9,5 - 22,5 V ⎓	DALI	1	•(5)	8	4	-	•	•(2)	-	EP10427589	178
PD-FLAT 360i/8 GSW DALI	9,5 - 22,5 V ⎓	DALI	1	•(5)	8	4	-	•	•(2)	-	EP10427572	179
PD-FLAT 360i/8 GSB DALI	9,5 - 22,5 V ⎓	DALI	1	•(5)	8	4	-	•	•(2)	-	EP10427596	180

(1) incl. Surface mounted box; (2) with accessory; (3) 180°, 8 m in radius; (4) Head-on to detector, 3 m in radius; (5) with SW DALI as switch actuator

Product designation	Mains / Supply voltage	Interface	Light channel	HVAC channel	Range (Ø in meter)	Operating Area (Ø in meter)	Surface mounting (with accessory)	Flush mounting	Recessed ceiling mounting	Wall mounting	Item no.	Page
PD-C360i/8 DUO DALI	230 V	DALI	2	●[5]	8	4	●	●	●[2]	-	EP10427442	171
PD-C360i/24 DUO DALI	230 V	DALI	2	●[5]	24	8	●	●	●[2]	-	EP10427459	172
PD-FLAT 360i/8 RW KNX*	KNX	KNX/EIB	2	1	8	4	●	●	●[2]	-	EP10451706	201
PD-FLAT 360i/8 RB KNX*	KNX	KNX/EIB	2	1	8	4	●	●	●[2]	-	EP10451768	202
PD-FLAT 360i/8 RG KNX*	KNX	KNX/EIB	2	1	8	4	●	●	●[2]	-	EP10451799	203
PD-FLAT 360i/8 SW KNX*	KNX	KNX/EIB	2	1	8	4	●	●	●[2]	-	EP10451713	204
PD-FLAT 360i/8 SB KNX*	KNX	KNX/EIB	2	1	8	4	●	●	●[2]	-	EP10451775	205
PD-FLAT 360i/8 GRW KNX*	KNX	KNX/EIB	2	1	8	4	●	●	●[2]	-	EP10451720	206
PD-FLAT 360i/8 GRB KNX*	KNX	KNX/EIB	2	1	8	4	●	●	●[2]	-	EP10451744	206
PD-FLAT 360i/8 GRG KNX*	KNX	KNX/EIB	2	1	8	4	●	●	●[2]	-	EP10451782	208
PD-FLAT 360i/8 GSW KNX*	KNX	KNX/EIB	2	1	8	4	●	●	●[2]	-	EP10451737	209
PD-FLAT 360i/8 GSB KNX*	KNX	KNX/EIB	2	1	8	4	●	●	●[2]	-	EP10451751	210
PD-C180i KNX	KNX	KNX/EIB	2	1	16[3]	8[4]	●	●	-	●	EP10426445	190
PD-C180i KNX ECO	KNX	KNX/EIB	2	1	16[3]	8[4]	●	●	-	●	EP10426452	191
PD-C 180i/16 Touch KNX*	KNX	KNX/EIB	2	1	16[3]	8[4]	●	●	-	●	EP10460104	192
PD-C 180i/16 Touch KNX Set SKJ*	KNX	KNX/EIB	2	1	16[3]	8[4]	●	●	-	●	EP10460128	193
PD-C 180i/16 Touch KNXSET SKK*	KNX	KNX/EIB	2	1	16[3]	8[4]	●	●	-	●	EP10460135	194
PD-C 180i/16 Touch KNX Set EXX*	KNX	KNX/EIB	2	1	16[3]	8[4]	●	●	-	●	EP10460142	195
PD 360/8 KNX Basic	KNX	KNX/EIB	1	-	8	4	●[1]	-	-	-	EB10430442	189
PD-C360i/8 KNX UP	KNX	KNX/EIB	2	1	8	4	●	●	●[2]	-	EP10427404	196
PD-C360i/8 mini KNX	KNX	KNX/EIB	2	1	8	3	-	-	●	-	EP10426155	199
PD-C360i/12 mini KNX	KNX	KNX/EIB	2	1	12	4	-	-	●	-	EP10426162	200
PD-C360i/24 KNX ECO UP	KNX	KNX/EIB	3	1	24	8	●	●	●[2]	-	EP10427435	197
PD-C360i/24 KNX UP	KNX	KNX/EIB	3	1	24	8	●	●	●[2]	-	EP10427428	198
PD-ATMO 360i/8 T KNX	KNX	KNX/EIB	3	1	8	4	●[1]	-	-	-	EP10427213	211
PD-ATMO 360i/8 A KNX	KNX	KNX/EIB	3	1	8	4	●	●	●[2]	-	EP10427206	212
PD-ATMO 360i/8 O KNX	KNX	KNX/EIB	3	1	8	4	●	●	●[2]	-	EP10427220	213
LS-FLAT Mini KNX	KNX	KNX/EIB	2	-	0,5	-	-	-	●	●	ED10429002	232
PD-C360i/8 DC24Vplus	12 - 24 V ⎓	-	1	1	8	4	●	●	●[2]	-	EP10425349	219
PD-C360i/24 DC24Vplus	12 - 24 V ⎓	-	1	1	24	8	●	●	●[2]	-	EP10425318	221
PD-C360/24 DC24V Slave	12 - 24 V ⎓	-	-	-	24	8	●	●	-	-	EP10425325	222
PD-C180i/16 UC	12 - 36 V ⎓ / 12 - 36 V ~	-	1	-	16[3]	8[4]	●	●	-	●	EP10427305	223
PD-C360i/8 mini UC	12 - 36 V ⎓ / 12 - 36 V ~	-	1	-	8	3	-	-	●	-	EP10427343	225
PD-C360i/8 UC	12 - 36 V ⎓ / 12 - 36 V ~	-	1	-	8	4	●	●	●[2]	-	EP10427312	224
PD-C360i/24 UC	12 - 36 V ⎓ / 12 - 36 V ~	-	1	-	24	8	●	●	●[2]	-	EP10427329	226
PD-CE360i/24 UC	12 - 36 V ⎓ / 12 - 36 V ~	-	1	-	24	8	-	-	●	-	EP10427336	227

(1) incl. Surface mounted box; **(2)** with accessory; **(3)** 180°, 8 m in radius; **(4)** Head-on to detector, 3 m in radius; **(5)** with SW DALI as switch actuator; ***** Available from July 2016

Product designation	Mains / Supply voltage	Light channel	Range	Head-on to detector	Surface mounting	Flush mounting	Recessed ceiling mounting	Wall mounting	Item no.	Page
MD 180i/16 Basic	230 V	1	Ø 16 m[2]	Ø 8 m	•[1]	•	-	•	EB10430459	**46**
MD 180i/16 Basic Set SKJ	230 V	1	Ø 16 m[2]	Ø 8 m	•[1]	•	-	•	EB10430640	**47**
MD 180i/16 Basic SET SKK	230 V	1	Ø 16 m[2]	Ø 8 m	•[1]	•	-	•	EB10430626	**48**
MD 180i/16 Basic SET EXX	230 V	1	Ø 16 m[2]	Ø 8 m	•[1]	•	-	•	EB10430633	**49**
MD 180i/R	230 V	1	Ø 16 m[2]	Ø 6 m[3]	•[1]	•	-	•	EM10055010	**56**
MD-C 180i Touch plus	230 V	1	Ø 16 m[2]	Ø 8 m	•[1]	•	-	•	EP10428517	**72**
MD-C 180i Touch plus Set SKJ	230 V	1	Ø 16 m[2]	Ø 8 m	•[1]	•	-	•	EP10002472	**73**
MD-C 180i Touch plus Set SKK	230 V	1	Ø 16 m[2]	Ø 8 m	•[1]	•	-	•	EP10002489	**74**
MD-C 180i Touch plus Set EXX	230 V	1	Ø 16 m[2]	Ø 8 m	•[1]	•	-		EP10002496	**75**
MD 360/8 Basic	230 V	1	Ø 8 m	Ø 4 m	•	-	-	-	EP10430404	**50**
MD 360/8 Basic SMB	230 V	1	Ø 8 m	Ø 4 m	•	-	-	-	EB10430497	**51**
MD 360i/8 Basic	230 V	1	Ø 8 m	Ø 4 m	•	-	-	-	EB10430428	**50**
MD 360i/8 Basic SMB	230 V	1	Ø 8 m	Ø 4 m	•	-	-	-	EB10430466	**51**
MD 360/8 white	230 V	1	Ø 8 m	Ø 4 m	•[1]	•	•[1]	-	EM10055324	**59**
MD 360i/24 white	230 V	1	Ø 24 m	Ø 8 m	•[1]	•	•[1]	-	EM10055300	**60**
MD-C360i/8	230 V	1	Ø 8 m	Ø 4 m	•[1]	•	•[1]	-	EP10055393	**76**
MD-C360i/8 MIC	230 V	1	Ø 8 m	Ø 4 m	•[1]	•	•[1]	-	EP10425875	**77**
MD-C360i/24	230 V	1	Ø 24 m	Ø 8 m	•[1]	•	•[1]	-	EP10055317	**78**
MD-C360i/6 mini	230 V	1	Ø 6 m	Ø 2,5 m	-	-	•	-	EP10425851	**124**
MD-C360i/6 mini 12V	12 V =	1	Ø 6 m	Ø 2,5 m	-	-	•	-	EP10425776	**218**
MD-C360i/8 mini	230 V	1	Ø 8 m	Ø 3 m	-	-	•	-	EP10426001	**125**
MD-C360i/8 mini-3m	230 V	1	Ø 8 m	Ø 3 m	-	-	•	-	EP10427008	**125**
MD-C360i/12 mini	230 V	1	Ø 12 m	Ø 4 m	-	-	•	-	EP10426018	**126**
MD-CE360i/8	230 V	1	Ø 8 m	Ø 4 m	-	-	•	-	EP10510007	**108**
MD-CE360i/8 GST	230 V	1	Ø 8 m	Ø 4 m	-	-	•	-	EP10510014	**109**
MD-CE360i/8 WAGO	230 V	1	Ø 8 m	Ø 4 m	-	-	•	-	EP10510045	**110**
MD-CE360i/24	230 V	1	Ø 24 m	Ø 8 m	-	-	•	-	EP10510021	**111**
MD-CE360i/24 GST	230 V	1	Ø 24 m	Ø 8 m	-	-	•	-	EP10510038	**112**
MD-CE360i/24 WAGO	230 V	1	Ø 24 m	Ø 8 m	-	-	•	-	EP10510052	**113**
MD-FLAT 360i/8 RW	230 V	1	Ø 8 m	Ø 4 m	-	•	•[1]	-	EP10427886	**136**
MD-FLAT 360i/8 SW	230 V	1	Ø 8 m	Ø 4 m	-	•	•[1]	-	EP10427893	**138**
MD-FLAT 360i/8 RG	230 V	1	Ø 8 m	Ø 4 m	-	•	•[1]	-	EP10428029	**137**
MD-FLAT 360i/8 GRG	230 V	1	Ø 8 m	Ø 4 m	-	•	•[1]	-	EP10428043	**139**
MD-FLAT-E 360i/8 RW	230 V	1	Ø 8 m	Ø 4 m	-	•	•	-	EP10428548	**140**
MD-FLAT-E 360i/8 RW GST	230 V	1	Ø 8 m	Ø 4 m	-	•	•	-	EP10427862	**141**

(1) with accessory; **(2)** 180°, 8 m in radius; **(3)** 3 m in radius

Produktbezeichnung	Mains voltage	Light channel	Range (radius)	Surface mounting	Mounting on inner and outer corners	Ceiling mounting	Wall mounting	Item no.	Page
MD 120 white	230 V	1	120°, 12 m	•	-	-	•	EM10025211	**155**
MD 120 black	230 V	1	120°, 12 m	•	-	-	•	EM10025235	**155**
MD 120 braun	230 V	1	120°, 12 m	•	-	-	•	EM10025228	**155**
MD 200 white	230 V	1	200°, 12 m	•	-	-	•	EM10025310	**156**
MD 200 black	230 V	1	200°, 12 m	•	-	-	•	EM10025334	**156**
MD 200 braun	230 V	1	200°, 12 m	•	-	-	•	EM10025327	**156**
MD-W200i white	230 V	1	200°, 12 m	•	-	-	•	EM10041006	**157**
MD-W200i black	230 V	1	200°, 12 m	•	-	-	•	EM10041020	**157**
RC 130i white	230 V	1	130°, 20 m	•	•[1]	•	•	EM10015014	**159**
RC 130i black	230 V	1	130°, 20 m	•	•[1]	•	•	EM10015212	**159**
RC 130i braun	230 V	1	130°, 20 m	•	•[1]	•	•	EM10015113	**159**
RC 230i white	230 V	1	230°, 20 m	•	•[1]	•	•	EM10015311	**160**
RC 230i black	230 V	1	230°, 20 m	•	•[1]	•	•	EM10015519	**160**
RC 230i braun	230 V	1	230°, 20 m	•	•[1]	•	•	EM10015410	**160**
RC 230i stainless steel apearance	230 V	1	230°, 20 m	•	•[1]	•	•	EM10015618	**160**
RC 230i UC white	12 - 36 V DC 10 - 24 V AV	1	230°, 20 m	•	•[1]	•	•	EM10015649	**220**
RC 280i white	230 V	1	280°, 20 m	•	•	•	•	EM10015717	**161**
RC 280i black	230 V	1	280°, 20 m	•	•	•	•	EM10015915	**161**
RC 280i braun	230 V	1	280°, 20 m	•	•	•	•	EM10015816	**161**
RC 230i KNX white		1	230°, 20 m	•	•[1]	•	•	EM10015472	**186**

(1) with corner bracket (accessory)

230 V

PRESENCE AND MOTION DETECTORS

Our selection of presence and motion detectors is highly diverse for a wide variety of everyday applications for the 230 V range. Whether for motion detection in long corridors, ceiling installation at particularly great height, or additional activation of heating, ventilation or air-conditioning systems with a floating switching contact — ESYLUX offers specially developed product solutions for all common applications, both inside and outside buildings, which will suit even the most complex conditions. With fields of detection of 6–24 meters, the products are designed for all conventional mounting situations and have flexible switching and dimming outputs and versatile configuration options, including by remote control.

CONTENTS

PRESENCE / MOTION DETECTORS
BASIC SERIES

Product designation	MD 360/8 BASIC	MD 360i/8 BASIC	MD 360/8 BASIC SMB
Item number	EB10430404	EB10430428	EB10430497
Set SKJ	-	-	-
Set SKK	-	-	-
Set EXX	-	-	-
Mains voltage	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz
Field of detection	360°	360°	360°
Range (Ø in m)	8	8	8
Rec. installation height	3	3	3
Rec. Max. mounting height	5	5	5
Installation type	Ceiling mounting	Ceiling mounting	Ceiling mounting
Protection type	IP 40	IP 40	IP 40
Special product features	Zero-cross switching	Zero-cross switching	Zero-cross switching
Number of parallel switchable detectors	6	6	6
Slave input	no	no	no
Channel 1: Lighting			
Interface	Switching	Switching	Switching
Contact	make contact/non-floating	make contact/non-floating	make contact/non-floating
Switching capacity channel 1	230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 1150 VA/5 A (cos phi; =0.5)	230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 1150 VA/5 A (cos phi; =0.5)	230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 1150 VA/5 A (cos phi; =0.5)
In-rush current	78 A / 5 ms	78 A / 5 ms	78 A / 5 ms
Switch input	yes	yes	yes
fully automatic	yes	yes	yes
Semi-automatic	-	-	-
Impulse feature	yes	yes	yes
SEE PAGE	**50**	**50**	**51**

MD 360i/8 BASIC SMB	MD 180i/16 BASIC	PD 360/8 BASIC	PD 360i/8 BASIC	PD 360/8 BASIC SMB	PD 360i/8 BASIC SMB
EB10430466	EB10430459	EB10430411	EB10430435	EB10430480	EB10430473
-	EB10430640	-	-	-	-
-	EB10430626	-	-	-	-
-	EB10430633	-	-	-	-
230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz
360°	180° horizontal, 60° vertical	360°	360°	360°	360°
8	16	8	8	8	8
3	1.1	3	3	3	3
5	2.2	5	5	5	5
Ceiling mounting	Wall mounting	Ceiling mounting	Ceiling mounting	Ceiling mounting	Ceiling mounting
IP 40	IP 40	IP 40	IP 40	IP 40	IP 40
Zero-cross switching	Zero-cross switching	Zero-cross switching	Zero-cross switching	Zero-cross switching	Zero-cross switching
6	6	6	6	6	6
no	no	no	no	no	no
Switching	Switching	Switching	Switching	Switching	Switching
make contact/non-floating	make contact/non-floating	make contact/non-floating	make contact/non-floating	make contact/non-floating	make contact/non-floating
230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 1150 VA/5 A (cos phi; =0.5)	230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 1150 VA/5 A (cos phi; =0.5)	230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 1150 VA/5 A (cos phi; =0.5)	230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 1150 VA/5 A (cos phi; =0.5)	230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 1150 VA/5 A (cos phi; =0.5)	230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 1150 VA/5 A (cos phi; =0.5)
78 A / 5 ms	78 A / 5 ms	78 A / 5 ms	78 A / 5 ms	78 A / 5 ms	78 A / 5 ms
yes	yes	yes	yes	yes	yes
yes	yes	yes	yes	yes	yes
-	-	yes	yes	yes	yes
yes	yes	yes	yes	yes	yes
51	**46 – 49**	**52**	**52**	**53**	**53**

MD 180i/16 BASIC

Order description	Order no.	EAN no.
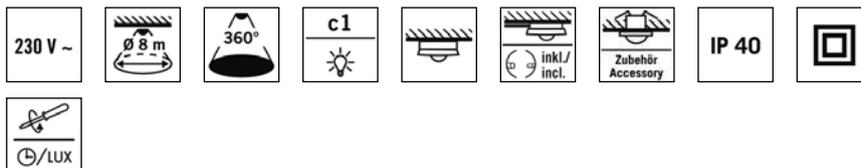
230 V ~ | **Ø 8 m** | **360°** | **c1 ☼** | | **inkl./incl.** | **Zubehör Accessory** | **IP 40** | ▣
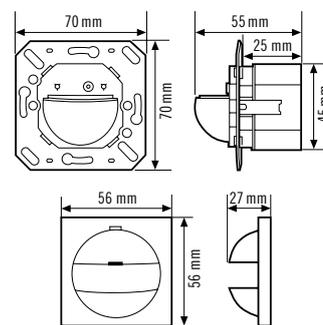
⊘/LUX

Wall-mounted motion detector with 180° field of detection and 16 A high-performance relay (tungsten pre-contact), can be programmed by remote control, compatible with brand switches, protection type IP40, in-built impulse feature for controlling automatic stairwell lights or control devices, switch input

4 015120 430459	MD 180i/16 Basic white	EB10430459	4015120430459

SCALE DRAWING

70 mm
70 mm
55 mm
25 mm
45 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: electronically via infrared remote control
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm x Width 70 mm x Depth 49 mm
- Installation dimension: Installation depth 20 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 m to 2,2 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
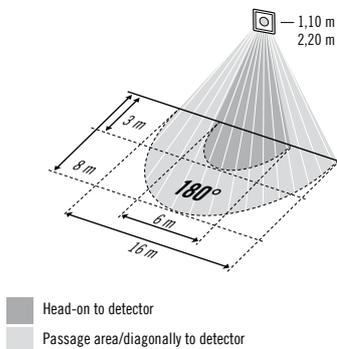- Switch-off delay time: impulse/approx. 1 min. – 60 min.

FIELD OF DETECTION

1,10 m
2,20 m

3 m
8 m
180°
6 m
16 m

▮ Head-on to detector

▯ Passage area/diagonally to detector

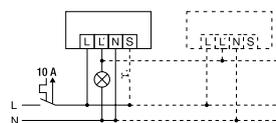## Accessories (detailed on page 246 - 271)

• Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Cover IP 20 white	EM10055102	4015120055102
• Cover IP 20 signal white	EM10055119	4015120055119
• Cover IP 20 cream white	EM10055126	4015120055126
• Cover IP 20 charcoal grey	EM10055133	4015120055133
• Cover IP 20 stainless steel finish	EM10055140	4015120055140
• Cover IP 20-SKK white	EM10055270	4015120055270
• Cover IP 20-SKJ white	EM10055287	4015120055287
• Cover IP 20-EXX white	EM10055294	4015120055294
• Cover IP20-BS1 white	EP10427114	4015120427114
• Cover IP20-BS1 polar	EP10427107	4015120427107
• Cover IP20-BM2 white	EP10427138	4015120427138
• Cover IP20-BJSI white	EP10427145	4015120427145
• Cover IP20-BM2 polar	EP10427121	4015120427121
• Cover IP20-BJSI cream	EP10427152	4015120427152
• Cover IP20-G55 white	EP10427169	4015120427169
• Cover IP20-G55 cream	EP10427176	4015120427176
• Cover IP 44 white	EM10055157	4015120055157
• Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

CIRCUIT DIAGRAMS

10 A

L
N

Standard operation

Order description	Order no.	EAN no.	**MD 180i/16 BASIC SET SKJ**

230 V ~ | **Ø 8 m** | **360°** | **c1** | | **inkl./ incl.** | **Zubehör Accessory** | **IP 40** |

Wall-mounted motion detector with 180° field of detection and 16 A high-performance relay (tungsten pre-contact), can be programmed by remote control, compatible with brand switches, protection type IP40, in-built impulse feature for controlling automatic stairwell lights or control devices, switch input

MD 180i/16 Basic Set SKJ	EB10430640	4015120430640

4 015120 430640

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: electronically via infrared remote control
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm x Width 70 mm x Depth 49 mm
- Installation dimension: Installation depth 20 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Included in delivery: including cover IP 20-SKJ white
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Approx. power consumption: < 0.3 W
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 m to 2,2 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 min. – 60 min.
- Colour: white

SCALE DRAWING

70 mm · 70 mm · 55 mm · 25 mm · 45 mm · 56 mm · 56 mm · 27 mm

Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

FIELD OF DETECTION

1,10 m
2,20 m

3 m · 8 m · 180° · 6 m · 16 m

Head-on to detector

Passage area/diagonally to detector

CIRCUIT DIAGRAMS

10 A

L
N

Standard operation

MD 180i/16 BASIC SET SKK

Order description	Order no.	EAN no.

230 V ~	Ø 8 m	360°	c1 ☀		inkl./ incl.	Zubehör Accessory	IP 40	▣

⏱/LUX

Wall-mounted motion detector with 180° field of detection and 16 A high-performance relay (tungsten pre-contact), can be programmed by remote control, compatible with brand switches, protection type IP40, in-built impulse feature for controlling automatic stairwell lights or control devices, switch input

	MD 180i/16 Basic Set SKK	EB10430626	4015120430626

4 015120 430626

SCALE DRAWING

70 mm
70 mm
55 mm
25 mm
45 mm
56 mm
56 mm
27 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: electronically via infrared remote control
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm x Width 70 mm x Depth 49 mm
- Installation dimension: Installation depth 20 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Included in delivery: including cover IP 20-SKK white
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 m to 2,2 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 min. – 60 min.
- Colour: white

FIELD OF DETECTION

— 1,10 m
2,20 m

3 m
8 m
180°
6 m
16 m

■ Head-on to detector

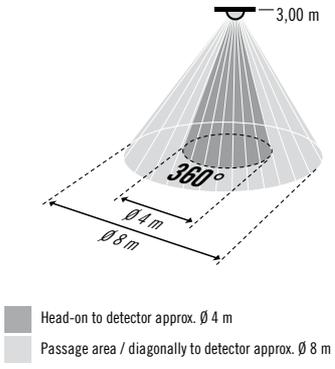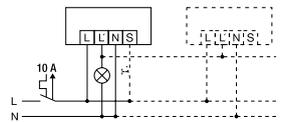■ Passage area/diagonally to detector

Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

CIRCUIT DIAGRAMS

L L N S
L L N S
10 A
L
N

Standard operation

Order description	Order no.	EAN no.	**MD 180i/16 BASIC SET EXX**

Wall-mounted motion detector with 180° field of detection and 16 A high-performance relay (tungsten pre-contact), can be pro-grammed by remote control, compatible with brand switches, protection type IP40, in-built impulse feature for controlling automatic stairwell lights or control devices, switch input

| MD 180i/16 Basic Set EXX | EB10430633 | 4015120430633 | |

4 015120 430633

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: electronically via infrared remote control
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm x Width 70 mm x Depth 49 mm
- Installation dimension: Installation depth 20 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Included in delivery: including cover IP 20-EXX white
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 m to 2,2 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 min. – 60 min.
- Colour: white

SCALE DRAWING

70 mm · 70 mm · 55 mm · 25 mm · 45 mm · 56 mm · 56 mm · 27 mm

Accessories (detailed on page 246 - 271)

• Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

FIELD OF DETECTION

— 1,10 m
2,20 m

3 m
8 m
180°
6 m
16 m

Head-on to detector

Passage area/diagonally to detector

CIRCUIT DIAGRAMS

10 A
L
N

Standard operation

MD 360/8 BASIC

Order description	Order no.	EAN no.

230 V ~ | **Ø 8 m** | **360°** | **c1** | | **inkl./incl.** | **Zubehör Accessory** | **IP 40** |

⏱/LUX

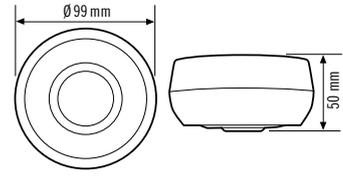- Motion detector with 360° field of detection for ceiling mounting
- Range of up to 8 m across at a recommended installation height of 3 m for use in small rooms and passageways with very little or no natural lighting
- 10 A high-performance relay
- Zero-cross switching to save switching on/off
- Remote controllable (MD 360i/8 Basic only)
- Factory setting for immediate operational readiness

	Order description	Order no.	EAN no.
4 015120 430404	MD 360/8 Basic white	EB10430404	4015120430404
4 015120 430428	MD 360i/8 Basic white	EB10430428	4015120430428

SCALE DRAWING

Ø 99 mm

33 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.2 W
- Setting options: mechanically by adjusting controller, electronically via infrared remote control (MD 360i/8 Basic only)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 33 mm, Ø 99 mm
- Installation dimension: , Installation hole size Ø 68
- Terminal: 4.0 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 1000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 15 sec.–30 min.
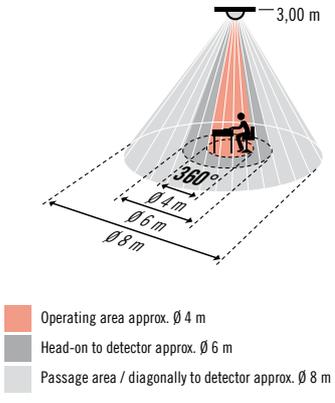- Colour: white, similar to RAL 9010

FIELD OF DETECTION
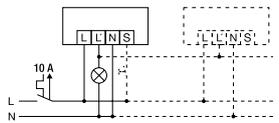
3,00 m

360°

Ø 4 m

Ø 8 m

■ Head-on to detector approx. Ø 4 m

□ Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

	Order no.	EAN no.
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 180/90 white	EM10425608	4015120425608

CIRCUIT DIAGRAMS

10 A

L

N

Standard operation

Order description	Order no.	EAN no.	**MD 360/8 BASIC SMB**

230 V ~	Ø 8 m	360°	c1		inkl./incl.	Zubehör Accessory	IP 40	

- Motion detector with 360° field of detection for ceiling mounting
- Range of up to 8 m across at a recommended installation height of 3 m for use in small rooms and passageways with very little or no natural lighting
- 10 A high-performance relay
- Zero-cross switching to save switching on/off
- Remote controllable (MD 360i/8 Basic SMB only)
- Factory setting for immediate operational readiness

MD 360/8 Basic SMB	EB10430497	4015120430497	
MD 360i/8 Basic SMB white	EB10430466	4015120430466	

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: mechanically by adjusting controller, electronically via infrared remote control (MD 360i/8 Basic SMB only)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 33 mm, Ø 99 mm
- Installation dimension: , Installation hole size Ø 68
- Terminal: 4.0 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Approx. power consumption: < 0.2 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 15 sec.–30 min.
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 99 mm

50 mm

Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 180/90 white	EM10425608	4015120425608

FIELDS OF DETECTION

3,00 m

360°

Ø 4 m

Ø 8 m

Head-on to detector approx. Ø 4 m

Passage area / diagonally to detector approx. Ø 8 m

CIRCUIT DIAGRAMS

10 A

Standard operation

PD 360/8 BASIC

	Order description	Order no.	EAN no.

230 V ~	Ø 8 m	360°	c1 ☼		inkl./incl.	Zubehör Accessory	IP 40	▣

⏱/LUX

- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 8 m in the diameter at a recommended installation height of 3 m
- 10 A high-performance relay
- Zero-cross switching to save switching on/off
- Remote controllable (PD 360i/8 Basic only)
- Factory setting for immediate operational readiness

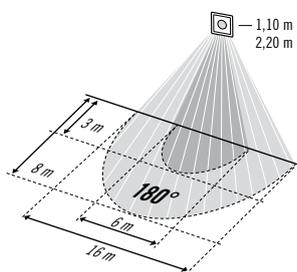|	Order description	Order no.	EAN no.
‖4 015120 430411‖	PD 360/8 Basic white	EB10430411	4015120430411
‖4 015120 430435‖	PD 360i/8 Basic white	EB10430435	4015120430435

SCALE DRAWING

Ø 99 mm

33 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: mechanically by adjusting controller, electronically via infrared remote control (PD 360i/8 Basic only)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 33 mm, Ø 99 mm
- Installation dimension: , Installation hole size Ø 68
- Terminal: 4.0 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Approx. power consumption: < 0.2 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ; = 1), 1150 VA/5 A (cos φ; =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 15 sec.–30 min.
- Colour: white, similar to RAL 9010

FIELDS OF DETECTION

3,00 m

360°
Ø 4 m
Ø 6 m
Ø 8 m

■ Operating area approx. Ø 4 m

■ Head-on to detector approx. Ø 6 m

■ Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 180/90 white	EM10425608	4015120425608

CIRCUIT DIAGRAMS

10 A

L
N

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button. To extend the field of detection, the detectors can be connected in parallel.

Order description	Order no.	EAN no.	**PD 360/8 BASIC SMB**

230 V ~	Ø 8 m	360°	c1 ☼	⌂	IP 40	▣	⏱/LUX

- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 8 m in the diameter at a recommended installation height of 3 m
- 10 A high-performance relay
- Zero-cross switching to save switching on/off
- Remote controllable (PD 360i/8 Basic SMB only)
- Factory setting for immediate operational readiness

PD 360/8 Basic SMB	EB10430480	4015120430480	4 015120 430480
PD 360i/8 Basic SMB white	EB10430473	4015120430473	4 015120 430473

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.2 W
- Setting options: mechanically by adjusting controller, electronically via infrared remote control (PD 360i/8 Basic SMB only)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 50 mm, Ø 99 mm
- Installation dimension: , Installation hole size Ø 68
- Terminal: 4.0 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 15 sec.–30 min.
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 99 mm

50 mm

Accessories (detailed on page 246 - 271)

Basket guard 180/90 white	EM10425608	4015120425608

FIELDS OF DETECTION

3,00 m

360°
Ø 4 m
Ø 6 m
Ø 8 m

■ Operating area approx. Ø 4 m
■ Head-on to detector approx. Ø 6 m
▢ Passage area / diagonally to detector approx. Ø 8 m

CIRCUIT DIAGRAMS

10 A
L
N

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button. To extend the field of detection, the detectors can be connected in parallel.

PRESENCE / MOTION DETECTORS
PD/MD SERIES

Product designation		MD 180i/R	MD 360/8
Item number		EM10055010	EM10055324
Mains voltage		230 V AC/50 Hz	230 V AC/50 Hz
Field of detection		180° horizontal, 60° vertical	360°
Range (Ø in m)		16	8
Rec. installation height		1.1	3
Rec. Max. mounting height		2.2	5
Installation type		Wall mounting	Ceiling mounting
Protection type		IP 20, IP 44 by cover*	recessed-mounted IP 20, IP 54 with surface-mounted box*
Special product features		in-built acoustic sensor	-
Number of parallel switchable detectors		-	6
Slave input		yes	no
Max. number of slave detectors		6	-
Channel 1: Lighting			
Interface		Switching	Switching
Contact		make contact/non-floating	make contact/non-floating
Switching capacity channel 1		230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
In-rush current		800 A/200 µs	800 A/200 µs
Switch input		yes	no
Channel 2: HVAC			
Exit		-	-
Contact		-	-
Switching capacity channel 2		-	-
Channel 3:			
Contact		-	-
fully automatic		yes	yes
Semi-automatic		-	-
Impulse feature		yes	yes
SEE PAGE		**56**	**59**

* order separately

MD 360i/24	PD 180i/R	PD 360i/8	PD 360i/24	PD 360i/Hallway
EM10055300	EM10410017	EM10425004	EM10425103	EM10425158
230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz
360°	180° horizontal, 60° vertical	360°	360°	360°
24	16	8	24	40
3	1.1	3	3	3
10	2.2	5	10	10
Ceiling mounting	Wall mounting	Ceiling mounting	Ceiling mounting	Ceiling mounting
recessed-mounted IP 20, IP 54 with surface-mounted box*	IP 20, IP 44 by cover*	recessed-mounted IP 20, IP 54 with surface-mounted box*	recessed-mounted IP 20, IP 54 with surface-mounted box*	recessed-mounted IP 20, IP 54 with surface-mounted box*
-	-	-	-	-
6	-	-	-	-
no	yes	yes	yes	yes
-	6	6	6	6
Switching	Switching	Switching	Switching	Switching
make contact/non-floating	make contact/non-floating	make contact/non-floating	make contact/non-floating	make contact/non-floating
230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
800 A/200 µs	800 A/200 µs	800 A/200 µs	800 A/200 µs	800 A/200 µs
no	yes	yes	yes	yes
-	Switching	-	-	-
-	floating, 230 V AC/2 A, 24 V DC/2 A	floating, 230 V AC/2 A, 24 V DC/2 A	floating, 230 V AC/2 A, 24 V DC/2 A	floating, 230 V AC/2 A, 24 V DC/2 A
-	100 W/460 VA	100 W/460 VA	100 W/460 VA	100 W/460 VA
-	floating, 230 V AC/2 A, 24 V DC/2 A	floating, 230 V AC/2 A, 24 V DC/2 A	floating, 230 V AC/2 A, 24 V DC/2 A	floating, 230 V AC/2 A, 24 V DC/2 A
yes	yes	yes	yes	yes
-	yes	yes	yes	yes
yes	yes	yes	yes	yes
60	**57**	**61**	**62**	**63**

MD 180i/R

	Order description	Order no.	EAN no.

- Wall-mounted motion detector with 180° field of detection
- In-built acoustic sensor for optimum use in complex and angular rooms with no or little natural lighting
- 16 A high-performance relay (tungsten pre-contact)

	MD 180i/R	EM10055010	4015120055010

SCALE DRAWING
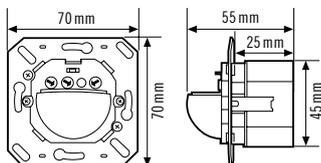
70 mm
70 mm
55 mm
25 mm
45 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20, IP 44 depending on cover (order separately)
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm x Width 70 mm x Depth 63 mm
- Installation dimension: Installation depth [mm] 34 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Special product features: in-built acoustic sensor
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Approx. power consumption: 0.9 W
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 m to 2,2 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 12 sec. - 60 min.

FIELDS OF DETECTION

— 1,10 m
2,20 m

3 m
8 m
180°
6 m
16 m

Head-on to detector

Passage area/diagonally to detector

Accessories (detailed on page 246 - 271)

• MD/PD 180 slave	EM10410024	4015120410024
• Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Cover IP 20 white	EM10055102	4015120055102
• Cover IP 20 signal white	EM10055119	4015120055119
• Cover IP 20 cream white	EM10055126	4015120055126
• Cover IP 20 charcoal grey	EM10055133	4015120055133
• Cover IP 20 stainless steel finish	EM10055140	4015120055140
• Cover IP 20-SKK white	EM10055270	4015120055270
• Cover IP 20-SKJ white	EM10055287	4015120055287
• Cover IP 20-EXX white	EM10055294	4015120055294
• Cover IP20-BS1 white	EP10427114	4015120427114
• Cover IP20-BS1 polar	EP10427107	4015120427107
• Cover IP20-BM2 white	EP10427138	4015120427138
• Cover IP20-BJSI white	EP10427145	4015120427145
• Cover IP20-BM2 polar	EP10427121	4015120427121
• Cover IP20-BJSI cream	EP10427152	4015120427152
• Cover IP20-G55 white	EP10427169	4015120427169
• Cover IP20-G55 cream	EP10427176	4015120427176
• Cover IP 44 white	EM10055157	4015120055157
• Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164
• RC filter/snubber	EP10426988	4015120426988

Note: Order cover and remote control separately.
Note: Compatible with other brand switch systems.

CIRCUIT DIAGRAMS
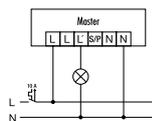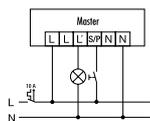
Standard operation

A maximum of 6 devices can be connected in parallel.
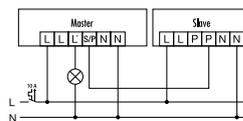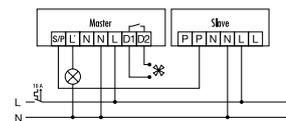
Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.
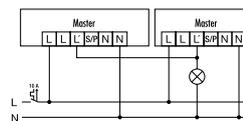
Master-slave switching (a maximum of 6 slave devices may be connected to one master).

Order description	Order no.	EAN no.	PD 180i/R

| 230 V ~ | 16 m | 180° | | c1 | c2 | | Zubehör Accessory | IP 20 |
| IP 44 Zubehör Accessory | | IR))) | Frame accessory not included | | | | | |

- Presence detector with 180° field of detection for wall mounting
- Automatic light control depending on presence and daylight
- 16 A high-performance relay (tungsten pre-contact)

PD 180i/R	EM10410017	4015120410017	4 015120 410017

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20, IP 44 depending on cover (order separately)
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm x Width 70 mm x Depth 63 mm
- Installation dimension: Installation depth 34 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Approx. power consumption: 1.0 W
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 m to 2,2 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 12 sec. - 60 min.
- **Channel 2: HVAC**
- Exit: Switching
- Switching capacity channel 2: 100 W/460 VA
- Contact: floating, 230 V AC/2 A, 24 V DC/2 A
- Switch-off delay channel 2: impulse/approx. 5 minute – 120 minutes

SCALE DRAWING

70 mm | 70 mm | 55 mm | 25 mm | 45 mm

Accessories (detailed on page 246 - 271)

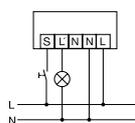|		
MD/PD 180 slave	EM10410024	4015120410024
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Cover IP 20 white	EM10055102	4015120055102
Cover IP 20 signal white	EM10055119	4015120055119
Cover IP 20 cream white	EM10055126	4015120055126
Cover IP 20 charcoal grey	EM10055133	4015120055133
Cover IP 20 stainless steel finish	EM10055140	4015120055140
Cover IP 20-SKK white	EM10055270	4015120055270
Cover IP 20-SKJ white	EM10055287	4015120055287
Cover IP 20-EXX white	EM10055294	4015120055294
Cover IP20-BS1 white	EP10427114	4015120427114
Cover IP20-BS1 polar	EP10427107	4015120427107
Cover IP20-BM2 white	EP10427138	4015120427138
Cover IP20-BJSI white	EP10427145	4015120427145
Cover IP20-BM2 polar	EP10427121	4015120427121
Cover IP20-BJSI cream	EP10427152	4015120427152
Cover IP20-G55 white	EP10427169	4015120427169
Cover IP20-G55 cream	EP10427176	4015120427176
Cover IP 44 white	EM10055157	4015120055157
Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164
RC filter/snubber	EP10426988	4015120426988

FIELD OF DETECTION

— 1,10 m 2,20 m

4 m · 6 m · 8 m

180°

8 m · 12 m · 16 m

Operating area
Head-on to detector
Passage area / diagonally to detector

Note: Order cover and remote control separately.
Note: A max. of 6 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.
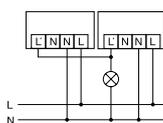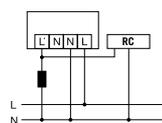
CIRCUIT DIAGRAMS
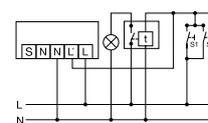

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: a maximum of 6 slave devices may be connected to one master device.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

MD/PD 180 SLAVE

Order description	Order no.	EAN no.

230 V ~ | **16 m** | **180°** | Zubehör Accessory | **IP 20** | **Frame** accessory not included

- „Slave" detector for extending the field of detection of a „master" detector MD 180i/R or PD 180i/R with 180° field of detection for wall mounting
- range of up to 16 m cost efficient system upgrade with up to 6 further extensions

	MD/PD 180 slave	EM10410024	4015120410024

4 015120 410024

SCALE DRAWING
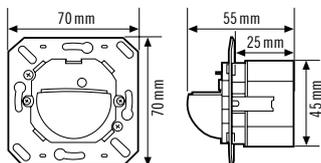
70 mm
70 mm
55 mm
25 mm
45 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20, IP 44 depending on cover (order separately)
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm x Width 70 mm x Depth 63 mm
- Installation dimension: Installation depth 34 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Approx. power consumption: < 0.4 W
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 m to 2,2 m
- **Channel 1: Presence**

FIELD OF DETECTION
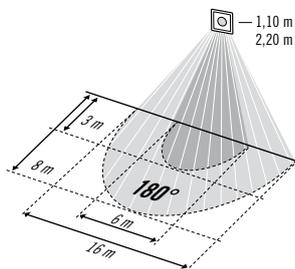
1,10 m
2,20 m

3 m
8 m
180°
6 m
16 m

■ Head-on to detector

▨ Passage area/diagonally to detector

Accessories (detailed on page 246 - 271)

MD 180i/R	EM10055010	4015120055010
PD 180i/R	EM10410017	4015120410017
Cover IP 20 white	EM10055102	4015120055102
Cover IP 20 signal white	EM10055119	4015120055119
Cover IP 20 cream white	EM10055126	4015120055126
Cover IP 20 charcoal grey	EM10055133	4015120055133
Cover IP 20 stainless steel finish	EM10055140	4015120055140
Cover IP 20-SKK white	EM10055270	4015120055270
Cover IP 20-SKJ white	EM10055287	4015120055287
Cover IP 20-EXX white	EM10055294	4015120055294
Cover IP20-BS1 white	EP10427114	4015120427114
Cover IP20-BS1 polar	EP10427107	4015120427107
Cover IP20-BM2 white	EP10427138	4015120427138
Cover IP20-BJSI white	EP10427145	4015120427145
Cover IP20-BM2 polar	EP10427121	4015120427121
Cover IP20-BJSI cream	EP10427152	4015120427152
Cover IP20-G55 white	EP10427169	4015120427169
Cover IP20-G55 cream	EP10427176	4015120427176
Cover IP 44 white	EM10055157	4015120055157
Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

Note: A max. of 6 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.
Note: Cover IP 20 and IP 44 not included; order separately.

Order description	Order no.	EAN no.	**MD 360/8**

| 230 V ~ | Ø 8 m | 360° | c1 | | Zubehör Accessory | IP 20 | |

- Motion detector with 360° field of detection for ceiling mounting
- Range of up to 8 m in diameter for use in small rooms, passageways, toilets, carports

MD 360/8 white	EM10055324	4015120055324	4 015120 055324

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 1 W
- Setting options: mechanically by adjusting controller
- Permissible ambient temperature: 0 °C ...+55 °C
- Protection type: recessed-mounted IP 20,
  IP 54 with surface-mounted box (order separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 63 mm, Ø 140 mm
- Installation dimension: Installation depth [mm] 15 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: no
- Switch-off delay time: impulse/approx. 15 sec.–30 min.
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 140 mm Ø 60 mm 48 mm 15 mm

Accessories (detailed on page 246 - 271)

• Surface-mounted box IP 54 white	EM10425400	4015120425400
• Cover set 360/8 silver	EM10425455	4015120425455
• Basket guard 180/90 white	EM10425608	4015120425608
• SRM-230V relay module, white	EP10426346	4015120426346
• ILR-230V current-limiting module, white	EP10426353	4015120426353
• RC filter/snubber	EP10426988	4015120426988

FIELDS OF DETECTION

3,00 m

360°

Ø 4 m
Ø 8 m

Head-on to detector approx. Ø 4 m

Passage area / diagonally to detector approx. Ø 8 m

Note: The cover and design ring can be interchanged and painted; the device colour can therefore be adapted to the installation location.
Note: a max. of 6 devices can be connected parallel. The max. line length should not exceed 100 m.

CIRCUIT DIAGRAMS

Standard operation

Parallel connection of max. 6 devices.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Standard operation with additional continuous lighting function through external switch.

Parallel connection with automatic stairwell light.

MD 360i/24

	Order description	Order no.	EAN no.

230 V ~	Ø 24 m	360°	c1 ☼		Zubehör Accessory	IP 20	▣	IR)))

- Motion detector with 360° field of detection for ceiling mounting
- Large range of up to 24 m in diameter for a wide variety of applications
- 16 A high-performance relay (tungsten pre-contact)
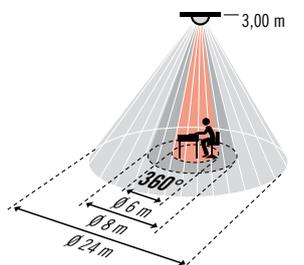- Default settings ensure immediate operability

	MD 360i/24 white	EM10055300	4015120055300

4 015120 055300

SCALE DRAWING

Ø 140 mm Ø 60mm 60mm 15 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 1 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+55 °C
- Protection type: recessed-mounted IP 20, IP 54 with surface-mounted box (order separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 75 mm, Ø 140 mm
- Installation dimension: Installation depth [mm] 15 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: no
- Switch-off delay time: impulse/approx. 15 sec.–30 min.
- Colour: white, similar to RAL 9010

FIELDS OF DETECTION

3,00 m

360°

Ø 8 m
Ø 24 m

■ Head-on to detector approx. Ø 8 m

□ Passage area / diagonally to detector approx. Ø 24 m
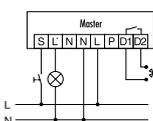
Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box IP 54 white	EM10425400	4015120425400
Basket guard 180/90 white	EM10425608	4015120425608
RC filter/snubber	EP10426988	4015120426988

Note: The cover and design ring can be interchanged and painted; the device colour can therefore be adapted to the installation location.
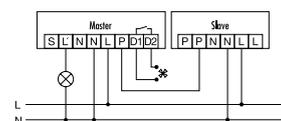**Note: a max. of 6 devices can be connected parallel. The max. line length should not exceed 100 m.**

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Parallel connection of max. 6 devices.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Parallel connection with automatic stairwell light.

Order description	Order no.	EAN no.	PD 360i/8

- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 8 m in diameter
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

PD 360i/8 white	EM10425004	4015120425004	4 015120 425004

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 54 with surface-mounted box (order separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 63 mm, Ø 140 mm
- Installation dimension: Installation depth [mm] 15 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Approx. power consumption: < 1 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 15 sec.–30 min.
- **Channel 2: HVAC**
- Switching capacity channel 2: 100 W/460 VA
- Contact: floating, 230 V AC/2 A, 24 V DC/2 A
- Switch-off delay channel 2: impulse/approx. 5 minute – 120 minutes
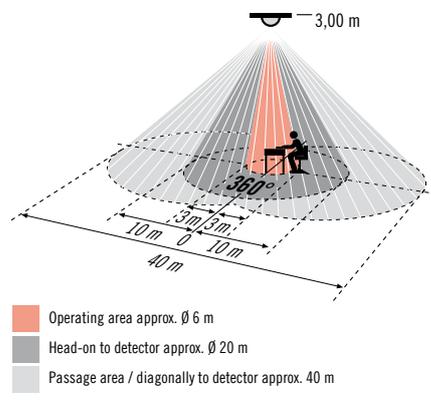- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 140 mm
Ø 60 mm
48 mm   15 mm

Accessories (detailed on page 246 - 271)
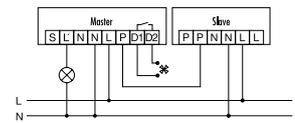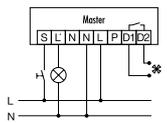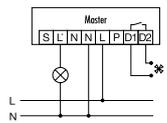
PD 360/8 Slave white	EM10425028	4015120425028
PD 360/24 Slave white	EM10425127	4015120425127
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box IP 54 white	EM10425400	4015120425400
Cover set 360/8 silver	EM10425455	4015120425455
Basket guard 180/90 white	EM10425608	4015120425608
RC filter/snubber	EP10426988	4015120426988

FIELDS OF DETECTION

3,00 m
360°
Ø 3 m
Ø 4 m
Ø 8 m

■ Operating area approx. Ø 3 m

■ Head-on to detector approx. Ø 4 m

■ Passage area / diagonally to detector approx. Ø 8 m

Note: The cover and design ring can be interchanged and painted; the device colour can therefore be adapted to the installation location.
Note: A max. of 6 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: a maximum of 6 slave devices may be connected to one master device.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

PD 360i/24

	Order description	Order no.	EAN no.

230 V ~ | **Ø 24 m** | **360°** | **c1** | **c2** | | **Zubehör Accessory** | **IP 20** |

IR))

- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 24 m in the diameter at a recommended installation height of 3 m
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

4 015120 425103	PD 360i/24 white	EM10425103	4015120425103

SCALE DRAWING

Ø 140 mm
Ø 60 mm
60 mm 15 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 1 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 54 with surface-mounted box (order separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 75 mm, Ø 140 mm
- Installation dimension: Installation depth [mm] 15 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 15 sec.–30 min.
- **Channel 2: HVAC**
- Switching capacity channel 2: 100 W/460 VA
- Contact: floating, 230 V AC/2 A, 24 V DC/2 A
- Switch-off delay channel 2: impulse/approx. 5 minute – 120 minutes
- Colour: white, similar to RAL 9010

FIELDS OF DETECTION

3,00 m
360°
Ø 6 m
Ø 8 m
Ø 24 m

Operating area approx. Ø 6 m

Head-on to detector approx. Ø 8 m

Passage area / diagonally to detector approx. Ø 24 m

Accessories (detailed on page 246 - 271)

PD 360/8 Slave white	EM10425028	4015120425028
PD 360/24 Slave white	EM10425127	4015120425127
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box IP 54 white	EM10425400	4015120425400
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608
RC filter/snubber	EP10426988	4015120426988

Note: The cover and design ring can be interchanged and painted; the device colour can therefore be adapted to the installation location.
Note: A max. of 6 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Master
S L N N L P D1 D2

Master
S L N N L P D1 D2

Master   Slave
S L N N L P D1 D2   P P N N L L

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: a maximum of 6 slave devices may be connected to one master device.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

Order description	Order no.	EAN no.	**PD 360i/HALLWAY**

230 V ~	Ø 40 m	360°	c1 ☼	c2 ☼/⚙		Zubehör Accessory	Zubehör Accessory	IP 20

- Presence detector with 360° field of detection for ceiling mounting
- Particularly suited to use in passageways with natural lighting such as corridors and hallways.
- range of up to 40 m
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

PD 360i/Hallway white	EM10425158	4015120425158	4 015120 425158

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 54 with surface-mounted box (order separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 75 mm, Ø 140 mm
- Installation dimension: Installation depth [mm] 15 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Approx. power consumption: < 1 W
- Field of detection: 360°
- Range: approx. 40 m in Ø, at an installation height of 3 m to 10 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 15 sec.–30 min.
- **Channel 2: HVAC**
- Switching capacity channel 2: 100 W/460 VA
- Contact: floating, 230 V AC/2 A, 24 V DC/2 A
- Switch-off delay channel 2: impulse/approx. 5 minute – 120 minutes
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 140 mm   Ø 60 mm   15 mm   60 mm

Accessories (detailed on page 246 - 271)

PD 360/8 Slave white	EM10425028	4015120425028
PD 360/24 Slave white	EM10425127	4015120425127
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box IP 54 white	EM10425400	4015120425400
Basket guard 180/90 white	EM10425608	4015120425608
RC filter/snubber	EP10426988	4015120426988

FIELDS OF DETECTION

3,00 m

360°

3m 3m
10 m 10 m
40 m

■ Operating area approx. Ø 6 m

■ Head-on to detector approx. Ø 20 m

■ Passage area / diagonally to detector approx. 40 m

Note: The cover and design ring can be interchanged and painted; the device colour can therefore be adapted to the installation location.

Note: A max. of 6 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: a maximum of 6 slave devices may be connected to one master device.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

PD 360/8 SLAVE

Order description	Order no.	EAN no.

230 V ~ | **Ø 8 m** | **360°** | | **Zubehör Accessory** | **IP 20** |

- „Slave" presence detector for extending the field of detection of a „master" presence detector with 360° field of detection for ceiling mounting
- Range of up to 8 m in diameter as a cost efficient system upgrade with up to 6 additional extensions
- „Slave" detector can be connected to the following presence detectors:
- PD 360i/8
- PD 360i/24
- PD 360i/Korridor
- PD 180i/R

4 015120 425028	PD 360/8 Slave white	EM10425028	4015120425028

SCALE DRAWING

Ø 140 mm
Ø 60mm
48mm   15mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.4 W
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20,
  IP 54 with surface-mounted box (order separately)
- Protection class: II
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 63 mm, Ø 140 mm
- Installation dimension: Installation depth 15 mm, Installation hole size Ø 68 mm
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- **Channel 1: Presence**
- Colour: white, similar to RAL 9010

FIELD OF DETECTION

3,00 m
360°
Ø 3 m
Ø 4 m
Ø 8 m

■ Operating area approx. Ø 3 m
■ Head-on to detector approx. Ø 4 m
■ Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

• PD 180i/R	EM10410017	4015120410017
• PD 360i/8 white	EM10425004	4015120425004
• PD 360i/24 white	EM10425103	4015120425103
• PD 360i/Hallway white	EM10425158	4015120425158
• Surface-mounted box IP 54 white	EM10425400	4015120425400
• Cover set 360/8 silver	EM10425455	4015120425455
• Basket guard 165/70 white	EM10425615	4015120425615
• Basket guard 180/90 white	EM10425608	4015120425608

Note: A max. of 6 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.
Note: The cover and design ring can be interchanged and painted; the device colour can therefore be adapted to the installation location.

Order description	Order no.	EAN no.	**PD 360/24 SLAVE**

230 V ~ | Ø 24 m | 360° | | Zubehör Accessory | IP 20 |

- „Slave" presence detector for extending the field of detection of a „master" presence detector with 360° field of detection for ceiling mounting
- Range of up to 24 m in diameter as a cost efficient system upgrade with up to 6 additional extensions
- Ideal for use in areas with ceilings of up to 10 m, such as sports halls, warehouses etc.
- „Slave" detector can be connected to the following presence detectors:
- PD 360i/8
- PD 360i/24
- PD 360i/Korridor
- PD 180i/R

PD 360/24 Slave white	EM10425127	4015120425127	4 015120 425127

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.4 W
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20,
  IP 54 with surface-mounted box (order separately)
- Protection class: II
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 75 mm, Ø 140 mm
- Installation dimension: Installation depth 15 mm, Installation hole size Ø 68 mm
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- **Channel 1: Presence**
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 140 mm | Ø 60 mm | 60 mm | 15 mm

Accessories (detailed on page 246 - 271)

PD 180i/R	EM10410017	4015120410017
PD 360i/8 white	EM10425004	4015120425004
PD 360i/24 white	EM10425103	4015120425103
PD 360i/Hallway white	EM10425158	4015120425158
Surface-mounted box IP 54 white	EM10425400	4015120425400
Basket guard 180/90 white	EM10425608	4015120425608

FIELD OF DETECTION

3,00 m

360°
Ø 6 m
Ø 8 m
Ø 24 m

Operating area approx. Ø 6 m

Head-on to detector approx. Ø 8 m

Passage area / diagonally to detector approx. Ø 24 m

Note: A max. of 6 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.
Note: The cover and design ring can be interchanged and painted; the device colour can therefore be adapted to the installation location.

PRESENCE / MOTION DETECTORS
COMPACT SERIES

Product designation	MD-C 180i/16 Touch	MD-C360i/8	MD-C360i/8 MIC
Item number	EP10428517	EP10055393	EP10425875
Set SKJ	EP10002472	-	-
Set SKK	EP10002489	-	-
Set EXX	EP10002496	-	-
Mains voltage	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz
	< 0.3 W	< 0.3 W	< 0.3 W
Field of detection	180° horizontal, 60° vertical	360°	360°
Range (Ø in m)	16	8	8
Rec. installation height	1.1	3	3
Rec. Max. mounting height	2.2	5	5
Installation type	Wall mounting	Ceiling mounting	Ceiling mounting
Protection type	IP 40	recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*	recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*
Special product features	-	-	in-built acoustic sensor
Number of parallel switchable detectors	6	10	10
Slave input	no	no	no
Max. number of slave detectors	-	-	-
Channel 1: Lighting			
Interface	Switching	Switching	Switching
Contact	make contact/floating	make contact/floating	make contact/floating
Switching capacity channel 1	230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
In-rush current	800 A/200 µs	800 A/200 µs	800 A/200 µs
Switch input	yes	yes	yes
Channel 2: HVAC			
Exit	-	-	-
Contact	-	-	-
Switching capacity channel 2	-	-	-
fully automatic	yes	yes	yes
Semi-automatic	yes	-	-
Impulse feature	yes	yes	yes
SEE PAGE	**72 - 75**	**76**	**77**

* order separately

MD-C360i/24	PD-C 180i/16 Touch plus	PD-C360i/8	PD-C360i/8 MIC	PD-C360i/8plus
EP10055317	EP10428500	EP10425059	EP10425882	EP10425042
-	EP10002441	-	-	-
-	EP10002458	-	-	-
-	EP10002465	-	-	-
230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz
< 0.3 W	< 0.3 W	< 0.3 W	< 0.3 W	< 0.3 W
360°	180° horizontal, 60° vertical	360°	360°	360°
24	16	8	8	8
3	1.1	3	3	3
10	2.2	5	5	5
Ceiling mounting	Wall mounting	Ceiling mounting	Ceiling mounting	Ceiling mounting
recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*	IP 40	recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*	recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*	recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*
-	-	-	in-built acoustic sensor	-
10	-	-	-	-
no	yes	yes	yes	yes
-	10	10	10	10
Switching	Switching	Switching	Switching	Switching
make contact/floating	make contact/floating	make contact/floating	make contact/floating	make contact/floating
230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
800 A/200 µs	800 A/200 µs	800 A/200 µs	800 A/200 µs	800 A/200 µs
yes	yes	yes	yes	yes
-	Switching	-	-	Switching
-	make contact/floating	-	-	make contact/floating
-	230 V AC/2 A, 24 V DC/2 A	-	-	230 V AC/2 A, 24 V DC/2 A, capacitive load/electronic ballasts max. in-rush current 30 A/20 ms
yes	yes	yes	yes	yes
-	yes	yes		yes
yes	yes	yes	yes	yes
78	**79 - 82**	**83**	**85**	**84**

PRESENCE DETECTORS
COMPACT SERIES

Product designation	PD-C360i/24 DRY	PD-C360i/24plus	PD-C360i/24 DUOplus-SM
Item number	EP10425707	EP10425288	EP10426810
Mains voltage	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz
Power consumption	< 0.3 W	< 0.3 W	< 0.3 W
Field of detection	360°	360°	360°
Range (Ø in m)	24	24	24
Rec. installation height	3	3	3
Rec. Max. mounting height	10	10	10
Installation type	Ceiling mounting	Ceiling mounting	Surface ceiling mounting
Protection type	recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*	IP 20 as recessed-mounted version, IP 20/IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*	IP 20
Orientation light	-	-	-
Slave input	yes	yes	yes
Max. number of slave detectors	10	10	10
Channel 1: Lighting			
Interface	Switching	Switching	switching/dimming
Contact	1 + 2, break contact/floating	make contact/floating	make contact/floating
Switching capacity channel 1	floating/NC 230 V AC/5 A, 24 V DC/5 A	230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
In-rush current	Capacitive load/electronic ballasts max. in-rush current 30 A/20 ms	800 A/200 µs	800 A/200 µs
Control output	-	-	-
Switch input	yes	yes	yes
Orientation light	-	-	-
Channel 2		HVAC	Lighting
Exit	-	Switching	Switching
Contact	-	make contact/floating	make contact/non-floating
Switching capacity channel 2	-	230 V AC/2 A, 24 V DC/2 A, capacitive load/electronic ballasts max. in-rush current 30 A/20 ms	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5), capacitive load/electronic ballasts max. in-rush current 800 A/200 µs
Switch input	-	-	yes
Orientation light	-	-	-
Channel 3: HVAC			
Exit	-	-	Switching
Contact	-	-	make contact/non-floating
Switching capacity channel 3	-	-	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5), capacitive load/electronic ballasts max. in-rush current 800 A/200 µs
Switch input	-	-	yes
fully automatic	yes	yes	yes
Semi-automatic	yes	yes	yes
Impulse feature	yes	yes	yes
SEE PAGE	**87**	**88**	**89**

* order separately

PD-C360i/24 DUOplus-FM	PD-C360i/8 DIM	PD-C360i/8 DIMplus	PD-C360i/24 DIM	PD-C360i/24 DIMplus-FM
EP10426803	EP10426711	EP10425332	EP10426704	EP10426728
230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz
< 0.3 W	< 0.3 W	< 0.3 W	< 0.3 W	< 0.3 W
360°	360°	360°	360°	360°
24	8	8	24	24
3	3	3	3	3
10	5	5	10	10
Recessed ceiling mounting	Ceiling mounting	Ceiling mounting	Ceiling mounting	Recessed ceiling mounting
IP 20	IP 20 as recessed-mounted version, IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*	IP 20 as recessed-mounted version, IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*	IP 20 as recessed-mounted version, IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*	IP 20
-	10 % luminous efficiency	10 % luminous efficiency	10 % luminous efficiency	10 % luminous efficiency
yes	yes	yes	yes	yes
10	10	10	10	10
switching/dimming	switching/dimming	switching/dimming	switching/dimming	switching/dimming
make contact/floating	make contact/floating	make contact/floating	make contact/floating	make contact/floating
230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
800 A/200 µs	800 A/200 µs	800 A/200 µs	800 A/200 µs	800 A/200 µs
-	1 - 10 V DC / 50 mA	1 - 10 V DC / 50 mA	1 - 10 V DC / 50 mA	1 - 10 V DC / 50 mA
yes	yes	yes	yes	yes
-	10 % luminous efficiency	10 % luminous efficiency	10 % luminous efficiency	10 % luminous efficiency
Lighting	-	HVAC	-	HVAC
Switching	-	Switching	-	Switching
make contact/non-floating	-	make contact/non-floating	-	make contact/floating
230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5), capacitive load/electronic ballasts max. in-rush current 800 A/200 µs	-	230 V 50 Hz, 1000 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5), capacitive load/electronic ballasts max. in-rush current 30 A/20 ms	-	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5), capacitive load/electronic ballasts max. in-rush current 800 A/200 µs
yes	-	yes	-	yes
-	10 % luminous efficiency	10 % luminous efficiency	10 % luminous efficiency	10 % luminous efficiency
Switching	-	-	-	-
make contact/non-floating	-	-	-	-
230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5), capacitive load/electronic ballasts max. in-rush current 800 A/200 µs	-	-	-	-
yes	-	-	-	-
yes	yes	yes	yes	yes
yes	yes	yes	yes	yes
yes	yes	yes	yes	yes
90	92	93	94	95

PRESENCE DETECTORS
COMPACT SERIES

Product designation	PD-C360i/24 DIMplus-SM	PD-C360i/24 DUODIMplus-SM
Item number	EP10426735	EP10426759
Mains voltage	230 V AC/50 Hz	230 V AC/50 Hz
Power consumption	< 0.3 W	< 0.3 W
Field of detection	360°	360°
Range (Ø in m)	24	24
Rec. installation height	3	3
Rec. Max. mounting height	10	10
Installation type	Surface ceiling mounting	Surface ceiling mounting
Protection type	IP 20	IP 20
Orientation light	10 % luminous efficiency	10 % luminous efficiency
Slave input	yes	yes
Max. number of slave detectors	10	10
Channel 1	Lighting	Lighting
Interface	switching/dimming	switching/dimming
Contact	make contact/floating	make contact/floating
Switching capacity channel 1	230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
In-rush current	800 A/200 µs	800 A/200 µs
Control output	1 - 10 V DC / 50 mA	1 - 10 V DC / 50 mA
Switch input	yes	yes
Orientation light	10 % luminous efficiency	10 % luminous efficiency
Channel 2	HVAC	Lighting
Exit	Switching	switching/dimming
Contact	make contact/floating	make contact/non-floating
Switching capacity channel 2	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5), capacitive load/electronic ballasts max. in-rush current 800 A/200 µs	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5), capacitive load/electronic ballasts max. in-rush current 800 A/200 µs
Switch input	yes	yes
Orientation light	10 % luminous efficiency	10 % luminous efficiency
Channel 3	-	HVAC
Exit	-	Switching
Contact	-	make contact/non-floating
Switching capacity channel 3	-	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5), capacitive load/electronic ballasts max. in-rush current 800 A/200 µs
Switch input	-	yes
fully automatic	yes	yes
Semi-automatic	yes	yes
Impulse feature	yes	yes
SEE PAGE	**96**	**97**

* order separately

PD-C360i/24 DUODIMplus-FM	PD-C360i/24 DIMplus WH	PD-C 360i/8 CU-C Light	PD-C 360i/24 CU-C Light
EP10426742	EP10425783	EP10427602	EP10427619
230 V AC/50 Hz	230 V AC/50 Hz	9.5 - 22.5 V DC	9.5 - 22.5 V DC
< 0.3 W	< 0.3 W	< 0.3 W	< 0.3 W
360°	360°	360°	360°
24	32	8	24
3	10	3	3
10	15	5	10
Recessed ceiling mounting	Ceiling mounting	Ceiling mounting	Ceiling mounting
IP 20	recessed-mounted IP 20, IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*	recessed-mounted IP 20, IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*	recessed-mounted IP 20, IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*
10 % luminous efficiency	10 % luminous efficiency	10 % to 50 % luminous efficiency	10 % to 50 % luminous efficiency
yes	yes	no	no
10	10	-	-
Lighting	Lighting	ESYLUX light control	ESYLUX light control
switching/dimming	switching/dimming	switching/dimming	switching/dimming
make contact/floating	make contact/floating	-	-
230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)	-	-
800 A/200 µs	800 A/200 µs	-	-
1 - 10 V DC / 50 mA	1 - 10 V DC / 50 mA	-	-
yes	yes	yes	yes
10 % luminous efficiency	10 % luminous efficiency	10 % to 50 % luminous efficiency	10 % to 50 % luminous efficiency
Lighting	HVAC	ESYLUX light control	ESYLUX light control
switching/dimming	Switching	switching/dimming	switching/dimming
make contact/non-floating	make contact/non-floating	-	-
230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5), capacitive load/electronic ballasts max. in-rush current 800 A/200 µs	230 V 50 Hz, 1000 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5), capacitive load/electronic ballasts max. in-rush current 30 A/20 ms	-	-
yes	yes	yes	yes
10 % luminous efficiency	10 % luminous efficiency	10 % to 50 % luminous efficiency	10 % to 50 % luminous efficiency
HVAC	-	ESYLUX light control	ESYLUX light control
Switching	-	switching/dimming	switching/dimming
make contact/non-floating	-	-	-
230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5), capacitive load/electronic ballasts max. in-rush current 800 A/200 µs	-	-	-
yes	-	-	-
yes	yes	yes	yes
yes	yes	yes	yes
yes	yes	yes	yes
98	**99**	**86**	**91**

MD-C 180i/16 TOUCH

Order description	Order no.	EAN no.

230 V ~ | **16 m** | **180°** | | **c1** | | Zubehör Accessory | **IP 20** | **IP 44** Zubehör Accessory

IR))) | Frame accessory not included

- Wall-mounted motion detector with 180° field of detection
- 16 A high-performance relay (tungsten pre-contact)
- Touch function for easy operation
- 5 selection programs can be called by touch function
- Programmable by remote control
- Compatible with brand switches
- IP40 degree of protection
- Integrated impulse function for activation of automatic stairwell lights or signalling devices
- Switch input

	MD-C 180i/16 Touch	EP10428517	4015120428517

4 015120 428517

SCALE DRAWING

70 mm · 70 mm · 55 mm · 25 mm · 45 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: electronically via infrared remote control
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth 23 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Approx. power consumption: < 0.3 W
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 to 2,2 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
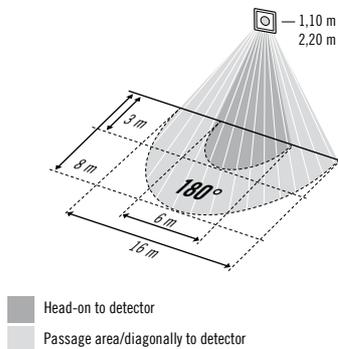- Switch-off delay time: impulse/approx. 1 min. – 60 min.

FIELD OF DETECTION

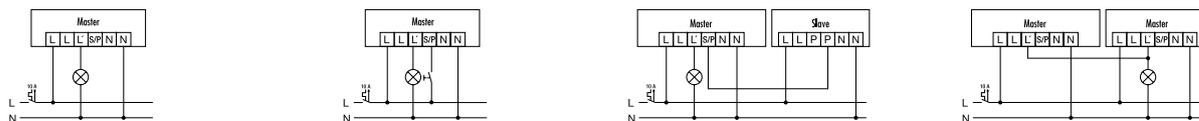— 1,10 m / 2,20 m
3 m · 8 m · 6 m · 16 m · **180°**

Head-on to detector
Passage area/diagonally to detector

Accessories (detailed on page 246 - 271)

PD-C360/8 Slave white	EP10055379	4015120055379
PD-C360/24 Slave white	EP10055386	4015120055386
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Cover IP 20 white	EM10055102	4015120055102
Cover IP 20 signal white	EM10055119	4015120055119
Cover IP 20 cream white	EM10055126	4015120055126
Cover IP 20 charcoal grey	EM10055133	4015120055133
Cover IP 20 stainless steel finish	EM10055140	4015120055140
Cover IP 20-SKK white	EM10055270	4015120055270
Cover IP 20-SKJ white	EM10055287	4015120055287
Cover IP 20-EXX white	EM10055294	4015120055294
Cover IP20-BS1 white	EP10427114	4015120427114
Cover IP20-BS1 polar	EP10427107	4015120427107
Cover IP20-BM2 white	EP10427138	4015120427138
Cover IP20-BJSI white	EP10427145	4015120427145
Cover IP20-BM2 polar	EP10427121	4015120427121
Cover IP20-BJSI cream	EP10427152	4015120427152
Cover IP20-G55 white	EP10427169	4015120427169
Cover IP20-G55 cream	EP10427176	4015120427176
Cover IP 44 white	EM10055157	4015120055157
Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching (a maximum of 6 slave devices may be connected to one master).

A maximum of 6 devices can be connected in parallel.

Order description	Order no.	EAN no.	MD-C 180i/16 TOUCH SKJ

230 V ~ | 16 m | 180° | | c1 ☼ | | Zubehör Accessory | IP 20 | IP 44 Zubehör Accessory

| | IR))) | Frame accessory not included

- Wall-mounted motion detector with 180° field of detection
- 16 A high-performance relay (tungsten pre-contact)
- Touch function for easy operation
- 5 selection programs can be called by touch function
- Programmable by remote control
- Compatible with brand switches
- IP40 degree of protection
- Integrated impulse function for activation of automatic stairwell lights or signalling devices
- Switch input

MD-C 180i/16 Touch Set SKJ	EP10002472	4015120002472	

4 015120 002472

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: electronically via infrared remote control
- Permissible ambient temperature: 0 °C …+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth 23 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Approx. power consumption: < 0.3 W
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 to 2,2 m
- Slave input: no

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 min. – 60 min.
- Colour: white

SCALE DRAWING

70 mm
70 mm
55 mm
25 mm
45 mm
56 mm
56 mm
27 mm

Accessories (detailed on page 246 - 271)

• PD-C360/8 Slave white	EP10055379	4015120055379
• PD-C360/24 Slave white	EP10055386	4015120055386
• Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
• Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

FIELD OF DETECTION

— 1,10 m
2,20 m
3 m
8 m
180°
6 m
16 m

Head-on to detector

Passage area/diagonally to detector

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching (a maximum of 6 slave devices may be connected to one master).

A maximum of 6 devices can be connected in parallel.

MD-C 180i/16 TOUCH SKK

Order description	Order no.	EAN no.

| 230 V ~ | 16 m | 180° | | c1 | | Zubehör Accessory | IP 20 | IP 44 Zubehör Accessory |
| IR))) | Frame accessory not included | | | | | | | |

- Wall-mounted motion detector with 180° field of detection
- 16 A high-performance relay (tungsten pre-contact)
- Touch function for easy operation
- 5 selection programs can be called by touch function
- Programmable by remote control
- Compatible with brand switches
- IP40 degree of protection
- Integrated impulse function for activation of automatic stairwell lights or signalling devices
- Switch input

	MD-C 180i/16 Touch Set SKK	EP10002489	4015120002489

SCALE DRAWING

70 mm
70 mm
55 mm
25 mm
45 mm
56 mm
56 mm
27 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: electronically via infrared remote control
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth 23 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 to 2,2 m
- Slave input: no

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 min. – 60 min.
- Colour: white

FIELD OF DETECTION

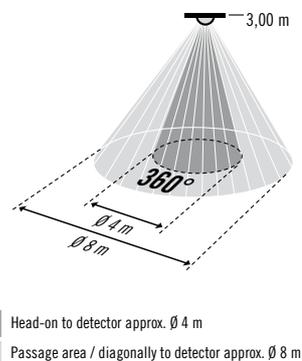— 1,10 m
2,20 m

3 m
8 m
180°
6 m
16 m

Head-on to detector

Passage area/diagonally to detector

Accessories (detailed on page 246 - 271)

PD-C360/8 Slave white	EP10055379	4015120055379
PD-C360/24 Slave white	EP10055386	4015120055386
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

CIRCUIT DIAGRAMS

Master

Standard operation

Master

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master | Slave

Master-slave switching (a maximum of 6 slave devices may be connected to one master).

Master | Master

A maximum of 6 devices can be connected in parallel.

Order description	Order no.	EAN no.	**MD-C 180i/16 TOUCH EXX**

230 V ~ | 16 m | 180° | | c1 | | Zubehör Accessory | IP 20 | IP 44 Zubehör Accessory

| | IR))) | Frame accessory not included |

- Wall-mounted motion detector with 180° field of detection
- 16 A high-performance relay (tungsten pre-contact)
- Touch function for easy operation
- 5 selection programs can be called by touch function
- Programmable by remote control
- Compatible with brand switches
- IP40 degree of protection
- Integrated impulse function for activation of automatic stairwell lights or signalling devices
- Switch input

MD-C 180i/16 Touch Set EXX	EP10002496	4015120002496	4 015120 002496

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: electronically via infrared remote control
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth 23 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Approx. power consumption: < 0.3 W
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 to 2,2 m
- Slave input: no

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 min. – 60 min.
- Colour: white

SCALE DRAWING

70 mm — 70 mm

55 mm — 25 mm — 45 mm

56 mm — 56 mm

27 mm

Accessories (detailed on page 246 - 271)

PD-C360/8 Slave white	EP10055379	4015120055379
PD-C360/24 Slave white	EP10055386	4015120055386
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

FIELD OF DETECTION

— 1,10 m
2,20 m

3 m
8 m
180°
6 m
16 m

Head-on to detector

Passage area/diagonally to detector

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching (a maximum of 6 slave devices may be connected to one master).

A maximum of 6 devices can be connected in parallel.

MD-C360i/8

	Order description	Order no.	EAN no.

230 V ~ | Ø 8 m | 360° | c1 ☀ | | Zubehör Accessory | Zubehör Accessory | IP 20 | ▣

IR))) | blue mode

- Motion detector with 360° field of detection for ceiling mounting
- Range of up to 8 m across at a recommended installation height of 3 m (maximum installation height 5 m) for use in small rooms and passageways with no or little natural lighting
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

4 015120 055393	MD-C360i/8 white	EP10055393	4015120055393

SCALE DRAWING

Ø 108 mm

Ø 60mm

24 mm
38 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 62 mm, Ø 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Approx. power consumption: < 0.3 W

- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
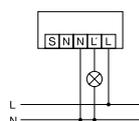- Colour: white, similar to RAL 9010

FIELD OF DETECTION

3,00 m

360°

Ø 4 m
Ø 8 m

▓ Head-on to detector approx. Ø 4 m

░ Passage area / diagonally to detector approx. Ø 8 m
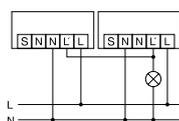
Accessories (detailed on page 246 - 271)

• Mobil-PDi/MDi silver/metallic blue	EM10425509		4015120425509
• Mobil-PDi/MDi-universal white	EP10433993		4015120433993
• Surface-mounted box-C IP 20 white	EP10425370		4015120425370
• Surface-mounted box-C IP 20 silver	EP10425387		4015120425387
• Surface-mounted box-C IP 54 white	EP10425905		4015120425905
• Surface-mounted box-C IP 54 silver	EP10425912		4015120425912
• Cover set C360/24 silver	EP10425431		4015120425431
• Ceiling recessed-mounted set-C white	EP10425929		4015120425929
• Basket guard 180/90 white	EM10425608		4015120425608
• RC filter/snubber	EP10426988		4015120426988

Note: a max. of 10 devices can be connected parallel. The max. line length should not exceed 100 m.
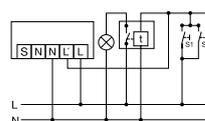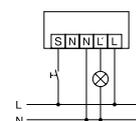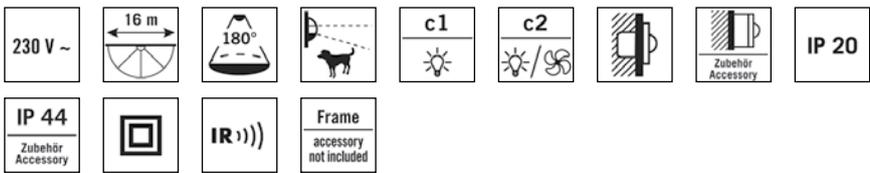
CIRCUIT DIAGRAMS

Standard operation

A maximum of 10 devices can be connected in parallel.

Parallel connection with automatic stairwell light.

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Order description	Order no.	EAN no.	**MD-C360i/8 MIC**

| 230 V ~ | Ø 8 m | 360° | c1 ☼ | | Zubehör Accessory | Zubehör Accessory | IP 20 | □ |
| IR))) | blue mode |))) 👂 | | | | | | |

- Motion detector with 360° field of detection for ceiling mounting
- Range of up to 8 m in diameter at a recommended installation height of 3 m (maximum mounting height 5 m)
- In-built acoustic sensor for optimum use in complex and angular rooms with no or little natural lighting
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

MD-C360i/8 MIC white	EP10425875	4015120425875	4 015120 425875

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 62 mm, Ø 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Special product features: in-built acoustic sensor
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS

- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- In-rush current: 800 A / 200 μs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 108 mm Ø 60 mm 24 mm 38 mm

Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
Cover set C360/8 silver	EP10425936	4015120425936
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 180/90 white	EM10425608	4015120425608
RC filter/snubber	EP10426988	4015120426988

FIELD OF DETECTION

3,00 m

360°

Ø 4 m

Ø 8 m

■ Head-on to detector approx. Ø 4 m

□ Passage area / diagonally to detector approx. Ø 8 m

Note: a max. of 10 devices can be connected parallel. The max. line length should not exceed 100 m.

CIRCUIT DIAGRAMS

Standard operation

A maximum of 10 devices can be connected in parallel.

Parallel connection with automatic stairwell light.

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

MD-C360i/24

Order description	Order no.	EAN no.

230 V ~   Ø 24 m   360°   c1 ☀   Zubehör Accessory   Zubehör Accessory   IP 20   ⊡

IR))   blue mode

- Motion detector with 360° field of detection for ceiling mounting
- Large range of up to 24 m in diameter at a recommended installation height of 3 m (maximum mounting height 5 m), suitable for a variety of uses
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

4 015120 055317	MD-C360i/24 white	EP10055317	4015120055317

SCALE DRAWING
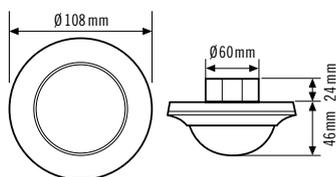
Ø 108 mm

Ø 60 mm

24 mm

46 mm

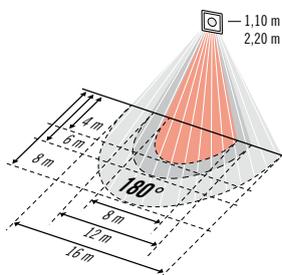## TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: height 72 mm, Ø 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes

- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: white, similar to RAL 9010

FIELD OF DETECTION

3,00 m

360°

Ø 8 m

Ø 24 m

▨ Head-on to detector approx. Ø 8 m

▨ Passage area / diagonally to detector approx. Ø 24 m

Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
Cover set C360/24 silver	EP10425431	4015120425431
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 180/90 white	EM10425608	4015120425608
RC filter/snubber	EP10426988	4015120426988

Note: a max. of 10 devices can be connected parallel. The max. line length should not exceed 100 m.

CIRCUIT DIAGRAMS

Standard operation

A maximum of 10 devices can be connected in parallel.

Parallel connection with automatic stairwell light.

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Order description	Order no.	EAN no.	**PD-C 180i/16 TOUCH PLUS**

230 V ~ | 16 m | 180° | c1 ☀ | c2 ☀/⚙ | IP 20

IP 44 Zubehör Accessory | □ | IR))) | Frame accessory not included

- Wall-mounted presence detector with 180° field of detection
- 16 A high-performance relay (tungsten pre-contact)
- Touch function for easy operation
- 5 selection programs can be called by touch function
- Programmable by remote control
- Compatible with brand switches
- IP40 degree of protection
- Integrated impulse function for activation of automatic stairwell lights or signalling devices
- Switch input
- HVAC contact

PD-C 180i/16 Touch plus	EP10428500	4015120428500	4 015120 428500

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: electronically via infrared remote control
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 23 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Number of switching contacts (potential-free contacts): 1
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 to 2,2 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- No. of switchable electronic ballasts: Capacitive load/electronic ballasts max. in-rush current 30 A/20 ms
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 min. – 60 min.
- **Channel 2: HVAC**
- Exit: Switching
- Switching capacity channel 2: 230 V AC/2 A, 24 V DC/2 A
- Contact: make contact/floating
- Switch-off delay channel 2: impulse/approx. 1 min. – 60 min.

SCALE DRAWING

70 mm | 70 mm | 55 mm | 25 mm | 45 mm

Accessories (detailed on page 246 - 271)

PD-C360/8 Slave white	EP10055379	4015120055379
PD-C360/24 Slave white	EP10055386	4015120055386
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Cover IP 20 white	EM10055102	4015120055102
Cover IP 20 signal white	EM10055119	4015120055119
Cover IP 20 cream white	EM10055126	4015120055126
Cover IP 20 charcoal grey	EM10055133	4015120055133
Cover IP 20 stainless steel finish	EM10055140	4015120055140
Cover IP 20-SKK white	EM10055270	4015120055270
Cover IP 20-SKJ white	EM10055287	4015120055287
Cover IP 20-EXX white	EM10055294	4015120055294
Cover IP20-BS1 white	EP10427114	4015120427114
Cover IP20-BS1 polar	EP10427107	4015120427107
Cover IP20-BM2 white	EP10427138	4015120427138
Cover IP20-BJSI white	EP10427145	4015120427145
Cover IP20-BM2 polar	EP10427121	4015120427121
Cover IP20-BJSI cream	EP10427152	4015120427152
Cover IP20-G55 white	EP10427169	4015120427169
Cover IP20-G55 cream	EP10427176	4015120427176
Cover IP 44 white	EM10055157	4015120055157
Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

FIELDS OF DETECTION

— 1,10 m
2,20 m

4 m, 6 m, 8 m, 8 m, 12 m, 16 m

180°

Operating area
Head-on to detector
Passage area / diagonally to detector

CIRCUIT DIAGRAMS

Master | S/P L N N L D1 D2

S/P L N N L D1 D2

Master | S/P L N N L D1 D2 | Slave | P P N N L L
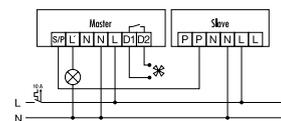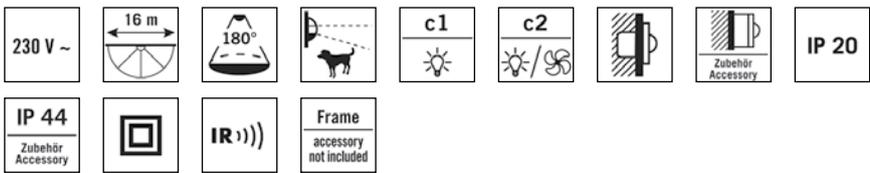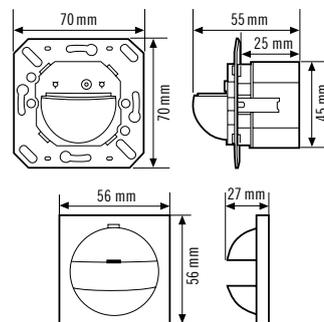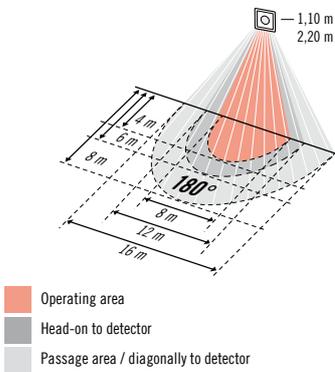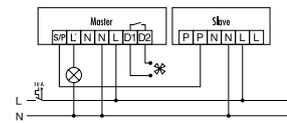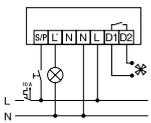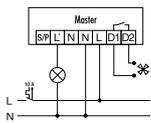
Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: a maximum of 6 slave devices may be connected to one master device.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

PD-C 180i/16 TOUCH PLUS SKJ

Order description	Order no.	EAN no.

230 V ~ | 16 m | 180° | (detection icon) | c1 ☀ | c2 ☀/fan | (icon) | Zubehör Accessory | IP 20

IP 44 Zubehör Accessory | (class II icon) | IR))) | Frame accessory not included

- Wall-mounted presence detector with 180° field of detection
- 16 A high-performance relay (tungsten pre-contact)
- Touch function for easy operation
- 5 selection programs can be called by touch function
- Programmable by remote control
- Compatible with brand switches
- IP40 degree of protection
- Integrated impulse function for activation of automatic stairwell lights or signalling devices
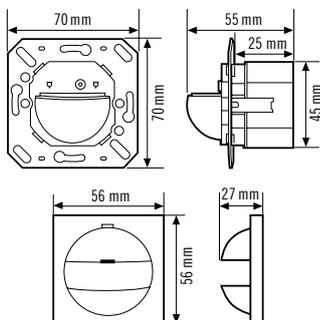- Switch input
- HVAC contact

‖‖‖‖ 4 015120 002441	PD-C 180i/16 Touch Plus Set SKJ	EP10002441	4015120002441

SCALE DRAWING

70 mm
55 mm
25 mm
70 mm
45 mm
56 mm
27 mm
56 mm

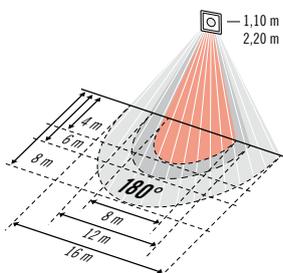## TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: electronically via infrared remote control
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 23 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 to 2,2 m
- Slave input: yes
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/floating

- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- No. of switchable electronic ballasts: Capacitive load/electronic ballasts max. in-rush current 30 A/20 ms
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 min. – 60 min.
- **Channel 2: HVAC**
- Exit: Switching
- Switching capacity channel 2: 230 V AC/2 A, 24 V DC/2 A
- Contact: make contact/floating
- Switch-off delay channel 2: impulse/approx. 1 min. – 60 min.
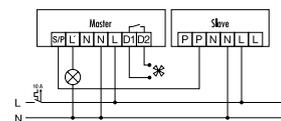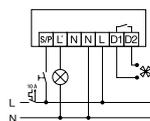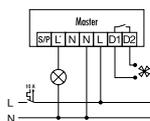- Colour: white

FIELDS OF DETECTION

— 1,10 m
2,20 m
4 m
6 m
8 m
180°
8 m
12 m
16 m

Operating area
Head-on to detector
Passage area / diagonally to detector

Accessories (detailed on page 246 - 271)

PD-C360/8 Slave white	EP10055379	4015120055379
PD-C360/24 Slave white	EP10055386	4015120055386
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: a maximum of 6 slave devices may be connected to one master device.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

Order description	Order no.	EAN no.	**PD-C 180i/16 TOUCH PLUS SKK**

230 V ~ | 16 m | 180° | | c1 ☀ | c2 ☀/❄ | | Zubehör Accessory | IP 20

IP 44 Zubehör Accessory | | IR))) | Frame accessory not included

- Wall-mounted presence detector with 180° field of detection
- 16 A high-performance relay (tungsten pre-contact)
- Touch function for easy operation
- 5 selection programs can be called by touch function
- Programmable by remote control
- Compatible with brand switches
- IP40 degree of protection
- Integrated impulse function for activation of automatic stairwell lights or signalling devices
- Switch input
- HVAC contact

| PD-C 180i/16 Touch Plus Set SKK | EP10002458 | 4015120002458 | |

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: electronically via infrared remote control
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 23 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Approx. power consumption: < 0.3 W
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 to 2,2 m
- Slave input: yes
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/floating

- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- No. of switchable electronic ballasts: Capacitive load/electronic ballasts max. in-rush current 30 A/20 ms
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 min. – 60 min.
- **Channel 2: HVAC**
- Exit: Switching
- Switching capacity channel 2: 230 V AC/2 A, 24 V DC/2 A
- Contact: make contact/floating
- Switch-off delay channel 2: impulse/approx. 1 min. – 60 min.
- Colour: white

SCALE DRAWING

70 mm | 70 mm | 55 mm | 25 mm | 45 mm
56 mm | 56 mm | 27 mm

Accessories (detailed on page 246 - 271)

PD-C360/8 Slave white	EP10055379	4015120055379
PD-C360/24 Slave white	EP10055386	4015120055386
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

FIELDS OF DETECTION

— 1,10 m
2,20 m

4 m
6 m
8 m
180°
8 m
12 m
16 m

🟧 Operating area
⬛ Head-on to detector
⬜ Passage area / diagonally to detector

CIRCUIT DIAGRAMS

Master
S/P L N N L D1 D2

Standard operation

Master
S/P L N N L D1 D2

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master | Slave
S/P L N N L D1 D2 | P P N N L L

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: a maximum of 6 slave devices may be connected to one master device.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

PD-C 180i/16 TOUCH PLUS EXX

Order description	Order no.	EAN no.

230 V ~ | **16 m** | **180°** | | **c1** | **c2** | | Zubehör Accessory | **IP 20**

IP 44 Zubehör Accessory | | **IR))))** | **Frame** accessory not included

- Wall-mounted presence detector with 180° field of detection
- 16 A high-performance relay (tungsten pre-contact)
- Touch function for easy operation
- 5 selection programs can be called by touch function
- Programmable by remote control
- Compatible with brand switches
- IP40 degree of protection
- Integrated impulse function for activation of automatic stairwell lights or signalling devices
- Switch input
- HVAC contact

	PD-C 180i/16 Touch Plus Set EXX	EP10002465	4015120002465
4 015120 002465			

SCALE DRAWING

70 mm — 70 mm
55 mm — 25 mm — 45 mm
56 mm — 56 mm
27 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: electronically via infrared remote control
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 23 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 to 2,2 m
- Slave input: yes
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/floating

- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- No. of switchable electronic ballasts: Capacitive load/electronic ballasts max. in-rush current 30 A/20 ms
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 min. – 60 min.
- **Channel 2: HVAC**
- Exit: Switching
- Switching capacity channel 2: 230 V AC/2 A, 24 V DC/2 A
- Contact: make contact/floating
- Switch-off delay channel 2: impulse/approx. 1 min. – 60 min.
- Colour: white

FIELDS OF DETECTION

— 1,10 m
2,20 m

4 m
6 m
8 m
180°
8 m
12 m
16 m

- Operating area
- Head-on to detector
- Passage area / diagonally to detector

Accessories (detailed on page 246 - 271)

• PD-C360/8 Slave white	EP10055379	4015120055379
• PD-C360/24 Slave white	EP10055386	4015120055386
• Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
• Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

CIRCUIT DIAGRAMS

Master
S/P L N N L D1 D2
L
N

S/P L N N L D1 D2
L
N

Master
S/P L N N L D1 D2
Slave
P P N N L L
L
N

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: a maximum of 6 slave devices may be connected to one master device.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

Order description	Order no.	EAN no.	PD-C360i/8

- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 8 m in diameter at a recommended installation height of 3 m (maximum height 5 m) for use in small rooms and passageways with natural lighting
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability
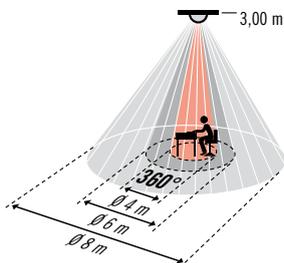
PD-C360i/8 white	EP10425059	4015120425059	4 015120 425059

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 38 mm, Ø 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Approx. power consumption: < 0.3 W

- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 108 mm Ø 60 mm 24 mm 38 mm

Accessories (detailed on page 246 - 271)

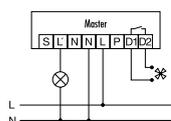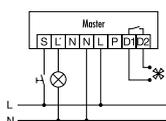|		
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
Cover set C360/24 silver	EP10425431	4015120425431
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 180/90 white	EM10425608	4015120425608
RC filter/snubber	EP10426988	4015120426988

FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.
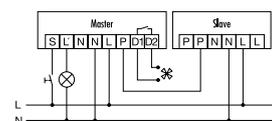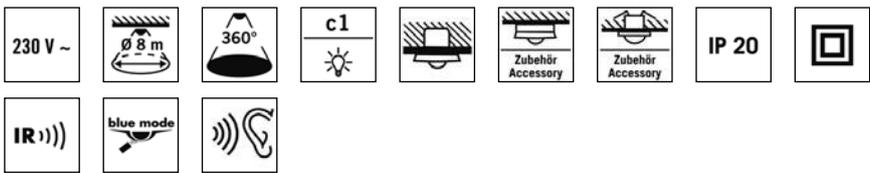
CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: a maximum of 10 slave devices may be connected to one master device.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

PD-C360i/8plus

	Order description	Order no.	EAN no.

230 V ~ | Ø 8 m | 360° | c1 ☀ | c2 ☀/❄ | | Zubehör Accessory | Zubehör Accessory | IP 20

▢ | IR))) | blue mode

- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 8 m in diameter at a recommended installation height of 3 m (maximum height 5 m) for use in small rooms and passageways with natural lighting
- Additional floating HVAC switch contact (channel 2) for controlling heating, ventilation and air conditioning depending on presence
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

	Order description	Order no.	EAN no.
4 015120 425042	PD-C360i/8plus white	EP10425042	4015120425042

SCALE DRAWING

Ø 108 mm
Ø 60mm
38 mm 24 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 38 mm, Ø 108 mm
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°

- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: approx. 1 minute – 30 minutes
- **Channel 2: HVAC**
- Exit: Switching
- Switching capacity channel 2: 230 V AC/2 A, 24 V DC/2 A, Capacitive load/electronic ballasts max. in-rush current 30 A/20 ms
- Contact: make contact/floating
- Switch-off delay channel 2: impulse/approx. 5 minute – 120 minutes
- Colour: white, similar to RAL 9010

FIELDS OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

- Operating area approx. Ø 4 m
- Head-on to detector approx. Ø 6 m
- Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

|		
• Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Surface-mounted box-C IP 20 white	EP10425370	4015120425370
• Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
• Surface-mounted box-C IP 54 white	EP10425905	4015120425905
• Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
• Cover set C360/24 silver	EP10425431	4015120425431
• Ceiling recessed-mounted set-C white	EP10425929	4015120425929
• Basket guard 180/90 white	EM10425608	4015120425608
• RC filter/snubber	EP10426988	4015120426988

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.
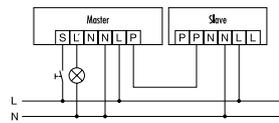
CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

Order description	Order no.	EAN no.	**PD-C360i/8 MIC**

| 230 V ~ | Ø 8 m | 360° | c1 ☼ | | Zubehör Accessory | Zubehör Accessory | IP 20 | □ |
| IR)) | blue mode |))) ⌒ | | | | | | |

- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 8 m in diameter at a recommended installation height of 3 m (maximum mounting height 5 m)
- In-built acoustic sensor perfect for use in areas with a complex layout
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

PD-C360i/8 MIC white	EP10425882	4015120425882	4 015120 425882

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 38 mm, Ø 108 mm
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Special product features: in-built acoustic sensor
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes

- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 108 mm   Ø 60 mm   24 mm   38 mm

Accessories (detailed on page 246 - 271)

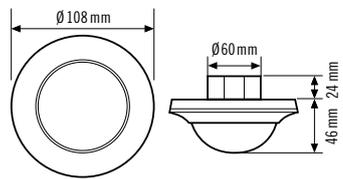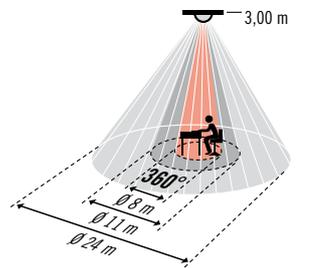|		
PD-C360/8 Slave white	EP10055379	4015120055379
PD-C360/24 Slave white	EP10055386	4015120055386
Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
Cover set C360/24 silver	EP10425431	4015120425431
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 180/90 white	EM10425608	4015120425608
RC filter/snubber	EP10426988	4015120426988

FIELDS OF DETECTION

3,00 m

360°
Ø 4 m
Ø 6 m
Ø 8 m

■ Operating area approx. Ø 4 m
■ Head-on to detector approx. Ø 6 m
■ Passage area / diagonally to detector approx. Ø 8 m

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.
Note: With in-built acoustic sensor.

CIRCUIT DIAGRAMS
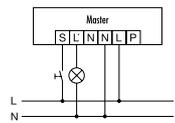
Master	Master	Master / Slave
S L N N L P	S L N N L P	S L N N L P / P P N N L L

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: a maximum of 10 slave devices may be connected to one master device.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

PD-C 360i/8 CU-C LIGHT

Order description	Order no.	EAN no.
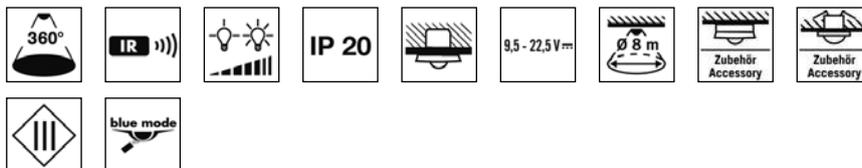
360° | IR))) | IP 20 | 9,5 - 22,5 V | Ø 8 m | Zubehör Accessory | Zubehör Accessory

blue mode

- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 8 m in diameter at a recommended installation height of 3 m (maximum mounting height 5 m)
- Automatic light control to a constant brightness level depending on presence and natural light (ESYLUX Light Control interface)
- Default factory settings ensure immediate operability

	PD-C 360i/8 CU-C Light	EP10427602	4015120427602

4 015120 427602

SCALE DRAWING

Ø 108 mm

Ø 60mm

38 mm | 24 mm
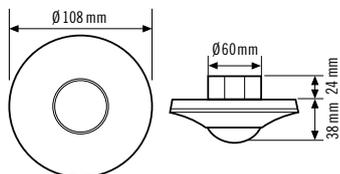
TECHNICAL DATA

- Mains voltage: 9.5 - 22.5 V DC
- Setting options: electronically via infrared remote control
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20,
  IP 54 with surface-mounted box (order separately),
  IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 38 mm, Ø 108 mm
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 to 5 m

- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: ESYLUX light control**
- Interface: switching/dimming
- Switch input: yes
- Switch-off delay time: 0 sec.–30 min.
- Orientation light: 10 % to 50 % luminous efficiency
- Switch-off delay time, orientation light: approx. 1 minute – 60 minutes
- **Channel 2: ESYLUX light control**
- Exit: switching/dimming
- Switch input: yes
- **Channel 3: ESYLUX light control**
- Exit: switching/dimming
- Colour: white, similar to RAL 9010

FIELDS OF DETECTION

3,00 m

360°
Ø 4 m
Ø 6 m
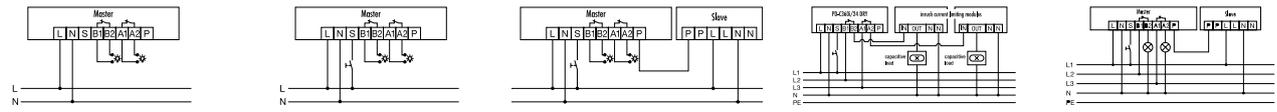Ø 8 m

■ Operating area approx. Ø 4 m

■ Head-on to detector approx. Ø 6 m

■ Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Surface-mounted box-C IP 20 white	EP10425370	4015120425370
• Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
• Surface-mounted box-C IP 54 white	EP10425905	4015120425905
• Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
• Cover set C360/8 silver	EP10425936	4015120425936
• Ceiling recessed-mounted set-C white	EP10425929	4015120425929
• Basket guard 180/90 white	EM10425608	4015120425608

Note: Can only be used together with ESYLUX Light Control!
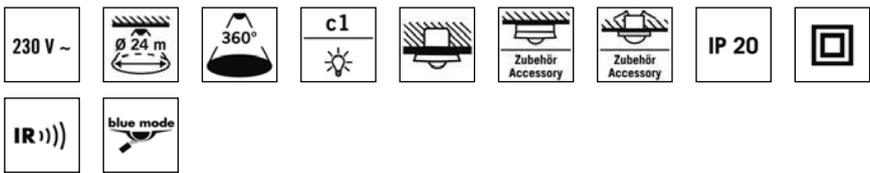
Order description	Order no.	EAN no.	**PD-C360i/24 DRY**

- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 24 m in the diameter at a recommended installation height of 3 m
- Automatic light control with 2 floating break contacts for controlling lighting on separate phases or via a 230 V AC emergency power supply, depending on presence and natural light
- Ideal for use in areas with ceilings of up to 10 m, such as sports halls, warehouses etc.
- Default settings ensure immediate operability

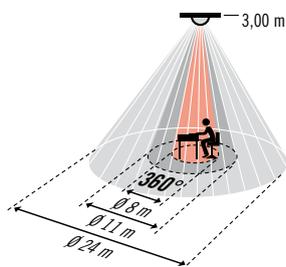| PD-C360i/24 DRY white	EP10425707	4015120425707	

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: height 46 mm, Ø 108 mm
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes

- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: 1 + 2, break contact/floating
- Switching capacity channel 1: floating/NC 230 V AC/5 A, 24 V DC/5 A
- In-rush current: Capacitive load/electronic ballasts max. in-rush current 30 A/20 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 108 mm Ø 60 mm 24 mm 46 mm

Accessories (detailed on page 246 - 271)

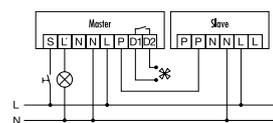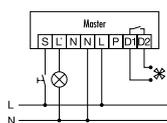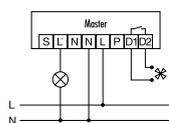|		
PD-C360/8 Slave white	EP10055379	4015120055379
PD-C360/24 Slave white	EP10055386	4015120055386
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
Cover set C360/24 silver	EP10425431	4015120425431
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608
SRM-230V relay module, white	EP10426346	4015120426346
ILR-230V current-limiting module, white	EP10426353	4015120426353
RC filter/snubber	EP10426988	4015120426988

FIELDS OF DETECTION

3,00 m
360°
Ø 8 m
Ø 11 m
Ø 24 m

■ Operating area approx. Ø 8 m
■ Head-on to detector approx. Ø 11 m
■ Passage area / diagonally to detector approx. Ø 24 m

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Standard operation (PD-C360i/24 DRY and ILR-230V current limiting module). When using electronic ballasts, an up to 40-fold in-rush current is to be expected. For full load (max. 690 W), an ESYLUX current limiting module must be used.

Operation with connection on separate phases as master/slave circuit: The master device controls connected systems according to the settings. The purpose of a slave device is solely to register presence and transmit a signal to the master device upon detection of presence.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

PD-C360i/24plus	Order description	Order no.	EAN no.

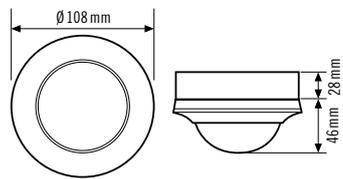| 230 V ~ | Ø 24 m | 360° | c1 ☀ | c2 ☀ / ⚙ | | Zubehör Accessory | Zubehör Accessory | IP 20 |
| ▣ | IR))) | blue mode | | | | | | |

- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 24 m in diameter at a recommended installation height of 3 m for use in offices, classrooms and board rooms, for example, and passageways with natural lighting
- Ideal for use in areas with ceilings of up to 10 m, such as sports halls, warehouses etc.
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

	PD-C360i/24plus white	EP10425288	4015120425288

SCALE DRAWING

Ø 108 mm

Ø 60mm

24 mm

46 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: height 46 mm, Ø 108 mm
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- **Channel 2: HVAC**
- Exit: Switching
- Switching capacity channel 2: 230 V AC/2 A, 24 V DC/2 A, Capacitive load/electronic ballasts max. in-rush current 30 A/20 ms
- Contact: make contact/floating
- Switch-off delay channel 2: impulse/approx. 5 minute – 120 minutes
- Colour: white, similar to RAL 9010

FIELDS OF DETECTION
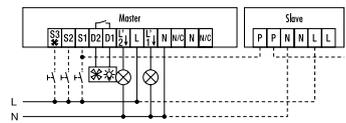
3,00 m

360°

Ø 8 m
Ø 11 m
Ø 24 m

- Operating area approx. Ø 8 m
- Head-on to detector approx. Ø 11 m
- Passage area / diagonally to detector approx. Ø 24 m

Accessories (detailed on page 246 - 271)

•	Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
•	Mobil-PDi/plus silver/metallic green	EM10425530	4015120425530
•	Mobil-PDi/MDi-universal white	EP10433993	4015120433993
•	Surface-mounted box-C IP 20 white	EP10425370	4015120425370
•	Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
•	Surface-mounted box-C IP 54 white	EP10425905	4015120425905
•	Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
•	Cover set C360/24 silver	EP10425431	4015120425431
•	Ceiling recessed-mounted set-C white	EP10425929	4015120425929
•	Basket guard 180/90 white	EM10425608	4015120425608
•	RC filter/snubber	EP10426988	4015120426988

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

Order description	Order no.	EAN no.	**PD-C360i/24 DUOplus-SM**

| 230 V ~ | Ø 24 m | 360° | c1 | c2 | c3 | | IP 20 | |
| IR)) | blue mode | | | | | | | |

- Presence detector with 360° field of detection for ceiling mounting Surface mounted (plaster)
- Range of up to 24 m in diameter at a recommended installation height of 3 m and for the independent control of 2 lighting areas (window and internal areas) depending on presence and natural light
- Additional HVAC switch contact (channel 3) for switching an additional light source or controlling heating, ventilation and air conditioning depending on presence
- Both light channels and the HVAC contact with 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

PD-C360i/24 DUOplus-SM white	EP10426810	4015120426810	4 015120 426810

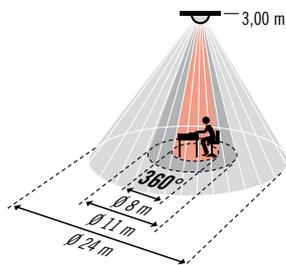## TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: 0.3 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/plus, Mobil-PDi/User remote controls (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Surface ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 74 mm, Ø 108 mm
- Installation dimension: , Installation hole size Ø 68
- Terminal: 1.5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: switching/dimming
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)

- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 - 30 min. (for channels 1 + 2)
- **Channel 2: Lighting**
- Exit: Switching
- Switching capacity channel 2: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5), Capacitive load/electronic ballasts max. in-rush current 800 A/200 µs
- Switch input: yes
- Contact: make contact/non-floating
- Switch-off delay channel 2: approx. 1 minute – 30 minutes
- **Channel 3: HVAC**
- Switching capacity channel 3: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5), Capacitive load/electronic ballasts max. in-rush current 800 A/200 µs
- Switch input: yes
- Switch-off delay channel 3: approx. 1 minute – 15 min.
- Colour: white, similar to RAL 9010

SCALE DRAWING

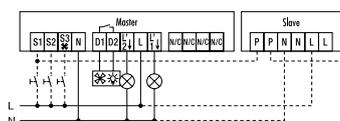Ø 108 mm
28 mm
46 mm

Accessories (detailed on page 246 - 271)

PD-C360/8 Slave white	EP10055379	4015120055379
PD-C360/24 Slave white	EP10055386	4015120055386
Mobil-PDi/plus silver/metallic green	EM10425530	4015120425530
Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 180/90 white	EM10425608	4015120425608

FIELDS OF DETECTION

3,00 m
360°
Ø 8 m
Ø 11 m
Ø 24 m

Operating area approx. Ø 8 m

Head-on to detector approx. Ø 11 m

Passage area / diagonally to detector approx. Ø 24 m

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Master
Slave
S3 S2 S1 D2 D1 ↑↓ L L' L' N N/C N N/C
P P N N L L
L
N

Standard operation

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection. (N/C) do not connect.

PD-C360i/24 DUOplus-FM

Order description	Order no.	EAN no.
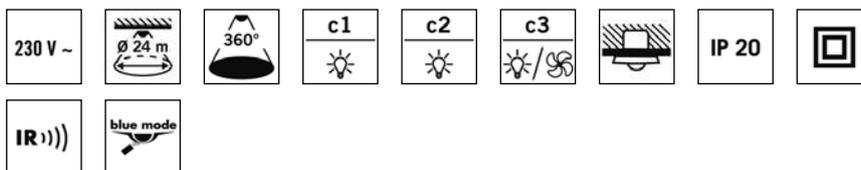
230 V ~ | Ø 24 m | 360° | c1 ☼ | c2 ☼ | c3 ☼/🌀 | IP 20 | ▣
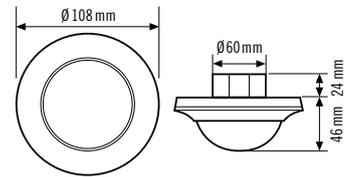
IR))) | blue mode

- Presence detector with 360° field of detection for ceiling mounting Flush-mounted
- Range of up to 24 m in diameter at a recommended installation height of 3 m and for the independent control of 2 lighting areas (window and internal areas) depending on presence and natural light
- Additional HVAC switch contact (channel 3) for switching an additional light source or controlling heating, ventilation and air conditioning depending on presence
- Both light channels and the HVAC contact with 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

	PD-C360i/24 DUOplus-FM white	EP10426803	4015120426803

SCALE DRAWING
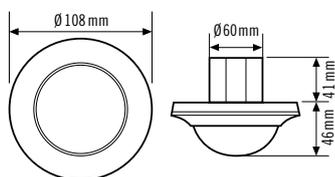
Ø 108 mm — Ø 60 mm — 46 mm — 41 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: 0.3 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/plus, Mobil-PDi/User remote controls (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 46 mm, Ø 108 mm
- Installation dimension: Installation depth [mm] 41 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: switching/dimming
- Contact: make contact/floating

- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 - 30 min. (for channels 1 + 2)
- **Channel 2: Lighting**
- Exit: Switching
- Switching capacity channel 2: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5), Capacitive load/electronic ballasts max. in-rush current 800 A/200 µs
- Switch input: yes
- Contact: make contact/non-floating
- Switch-off delay channel 2: approx. 1 minute – 30 minutes
- **Channel 3: HVAC**
- Switching capacity channel 3: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5), Capacitive load/electronic ballasts max. in-rush current 800 A/200 µs
- Switch input: yes
- Switch-off delay channel 3: approx. 1 minute – 15 min.
- Colour: white, similar to RAL 9010

FIELDS OF DETECTION

3,00 m

360°
Ø 8 m
Ø 11 m
Ø 24 m

▮ Operating area approx. Ø 8 m

▮ Head-on to detector approx. Ø 11 m
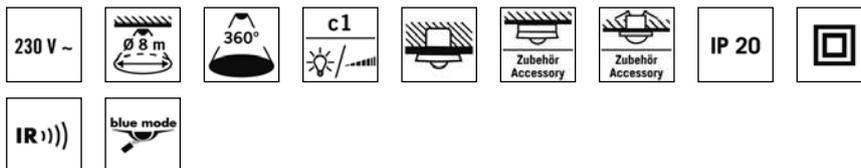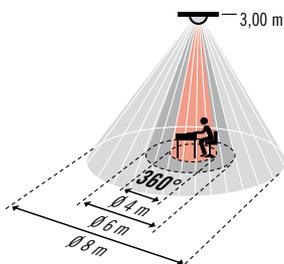
▮ Passage area / diagonally to detector approx. Ø 24 m

Accessories (detailed on page 246 - 271)

PD-C360/8 Slave white	EP10055379	4015120055379
PD-C360/24 Slave white	EP10055386	4015120055386
Mobil-PDi/plus silver/metallic green	EM10425530	4015120425530
Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 180/90 white	EM10425608	4015120425608

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Master | Slave
S1 S2 S3 N | D1 D2 ┴ L L┴ N/C N/C N/C N/C | P P N N L L

Standard operation

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection. (N/C) do not connect.

Order description	Order no.	EAN no.	**PD-C 360i/24 CU-C LIGHT**
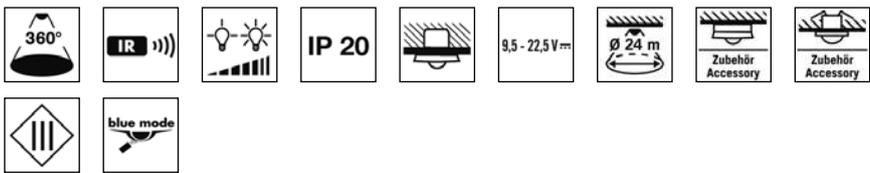
- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 24 m in diameter at a recommended installation height of 3 m (maximum mounting height 5 m)
- Automatic light control to a constant brightness level depending on presence and natural light (ESYLUX Light Control interface)
- Default factory settings ensure immediate operability

| PD-C 360i/24 CU-C Light | EP10427619 | 4015120427619 | |

4 015120 427619

TECHNICAL DATA

- Mains voltage: 9.5 - 22.5 V DC
- Approx. power consumption: < 0.3 W
- Setting options: electronically via infrared remote control
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20,
  IP 54 with surface-mounted box (order separately),
  IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 46 mm, Ø 108 mm
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 to 10 m

- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: ESYLUX light control**
- Interface: switching/dimming
- Switch input: yes
- Switch-off delay time: 0 sec.–30 min.
- **Channel 2: ESYLUX light control**
- Exit: switching/dimming
- Switch input: yes
- Orientation light: 10 % to 50 % luminous efficiency
- Switch-off delay time, orientation light: approx. 1 minute – 60 minutes
- **Channel 3: ESYLUX light control**
- Exit: switching/dimming
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 108 mm
Ø 60 mm
24 mm
46 mm

Accessories (detailed on page 246 - 271)

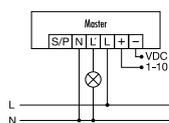|		
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
Cover set C360/8 silver	EP10425936	4015120425936
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 180/90 white	EM10425608	4015120425608

FIELDS OF DETECTION

3,00 m

360°
Ø 8 m
Ø 11 m
Ø 24 m

- Operating area approx. Ø 8 m
- Head-on to detector approx. Ø 11 m
- Passage area / diagonally to detector approx. Ø 24 m

Note: Can only be used together with ESYLUX Light Control!

PD-C360i/8 DIM

Order description	Order no.	EAN no.

230 V ~ | **Ø 8 m** | **360°** | **c1** | | **Zubehör Accessory** | **Zubehör Accessory** | **IP 20** |
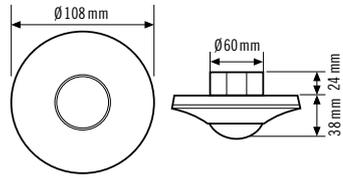
IR))) ** | **blue mode

- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 8 m in diameter at a recommended installation height of 3 m (maximum mounting height 5 m)
- Automatic light control to a constant brightness level depending on presence and natural light (1 - 10 V DC interface)
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

4 015120 426711	PD-C360i/8 DIM white	EP10426711	4015120426711

SCALE DRAWING

Ø 108 mm
Ø 60 mm
38 mm 24 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/plus, Mobil-PDi/User remote controls (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20,
  IP 54 with surface-mounted box (order separately),
  IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 38 mm, Ø 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m

- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Presence**
- Interface: switching/dimming
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Control output: 1 - 10 V =/50 mA
- Switch-off delay time: approx. 1 minute – 30 minutes
- Orientation light: 10 % luminous efficiency
- Switch-off delay time, orientation light: approx. 1 minute – 60 minutes
- Colour: white, similar to RAL 9010

FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

PD-C360/8 Slave white	EP10055379	4015120055379
PD-C360/24 Slave white	EP10055386	4015120055386
Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
Cover set C360/24 silver	EP10425431	4015120425431
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 180/90 white	EM10425608	4015120425608
RC filter/snubber	EP10426988	4015120426988

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

Order description	Order no.	EAN no.	PD-C360i/8 DIMplus

230 V ~	Ø 8 m	360°	c1 ☼/▬	c2 ☼/❄		Zubehör Accessory	Zubehör Accessory	IP 20

□ | IR))) | blue mode

- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 8 m in diameter at a recommended installation height of 3 m (maximum mounting height 5 m)
- Automatic light control (channel 1) to a constant brightness level depending on presence and natural light (1 - 10 V DC interface)
- Additional HVAC switch contact (channel 2) for switching an additional light source or controlling heating, ventilation and air conditioning depending on presence
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

PD-C360i/8 DIMplus white	EP10425332	4015120425332

4 015120 425332

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/plus, Mobil-PDi/User remote controls (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 38 mm, Ø 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: switching/dimming
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Control output: 1 - 10 V =/50 mA
- Switch-off delay time: approx. 1 minute – 30 minutes
- Orientation light: 10 % luminous efficiency
- Switch-off delay time, orientation light: approx. 1 minute – 60 minutes
- **Channel 2: HVAC**
- Exit: Switching
- Switching capacity channel 2: 230 V AC 50 Hz, 1000 W/4.5 A (cos φ = 1), 500 VA/2.25 A (cos φ =0.5), Capacitive load/electronic ballasts max. in-rush current 30 A/20 ms
- Switch input: yes
- Contact: make contact/non-floating
- Switch-off delay channel 2: impulse/approx. 5 minute – 120 minutes
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 108 mm
Ø 60 mm
24 mm
38 mm

Accessories (detailed on page 246 - 271)

Accessory	Order no.	EAN no.
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/plus silver/metallic green	EM10425530	4015120425530
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
Cover set C360/24 silver	EP10425431	4015120425431
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 180/90 white	EM10425608	4015120425608
RC filter/snubber	EP10426988	4015120426988

FIELD OF DETECTION

3,00 m

360°
Ø 4 m
Ø 6 m
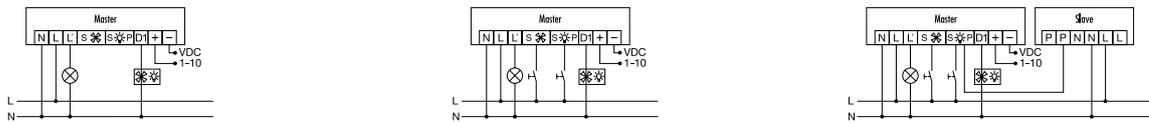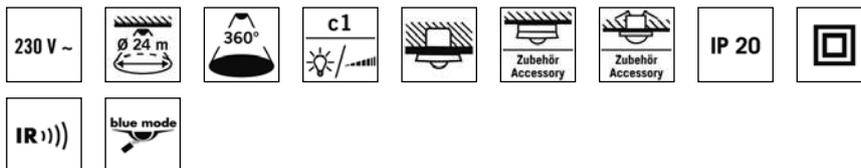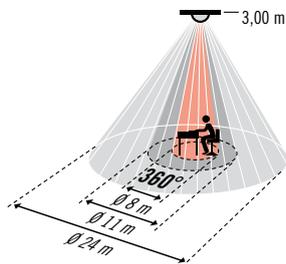Ø 8 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Master
N L L S ❄ S ☼ P D1 + −
VDC 1–10
L
N

Standard operation

Master
N L L S ❄ S ☼ P D1 + −
VDC 1–10
L
N

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master
N L L S ❄ S ☼ P D1 + −
Slave
P P N N L L
VDC 1–10
L
N

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

PD-C360i/24 DIM

Order description	Order no.	EAN no.

230 V ~ | **Ø 24 m** | **360°** | **c1** | | **Zubehör Accessory** | **Zubehör Accessory** | **IP 20** |

IR)) | **blue mode**

- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 24 m in diameter at a recommended installation height of 3 m (maximum mounting height 5 m)
- Automatic light control to a constant brightness level depending on presence and natural light (1 - 10 V DC interface)
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

4 015120 426704	PD-C360i/24 DIM white	EP10426704	4015120426704

SCALE DRAWING

Ø 108 mm
Ø 60 mm
24 mm
46 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/plus, Mobil-PDi/User remote controls (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 46 mm, Ø 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m

- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: switching/dimming
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Control output: 1 - 10 V =/50 mA
- Switch-off delay time: approx. 1 minute – 30 minutes
- Orientation light: 10 % luminous efficiency
- Switch-off delay time, orientation light: approx. 1 minute – 60 minutes
- Colour: white, similar to RAL 9010

FIELD OF DETECTION

3,00 m
360°
Ø 8 m
Ø 11 m
Ø 24 m

Operating area approx. Ø 8 m

Head-on to detector approx. Ø 11 m

Passage area / diagonally to detector approx. Ø 24 m

Accessories (detailed on page 246 - 271)

• PD-C360/8 Slave white	EP10055379	4015120055379
• PD-C360/24 Slave white	EP10055386	4015120055386
• Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Surface-mounted box-C IP 20 white	EP10425370	4015120425370
• Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
• Surface-mounted box-C IP 54 white	EP10425905	4015120425905
• Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
• Cover set C360/24 silver	EP10425431	4015120425431
• Ceiling recessed-mounted set-C white	EP10425929	4015120425929
• Basket guard 180/90 white	EM10425608	4015120425608
• RC filter/snubber	EP10426988	4015120426988

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.
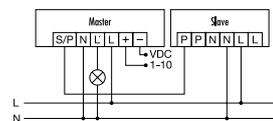
CIRCUIT DIAGRAMS

Master
S/P N L' L + –
VDC 1–10
L
N

Master
S/P N L' L + –
VDC 1–10
L
N

Master
S/P N L' L + –
VDC 1–10
Slave
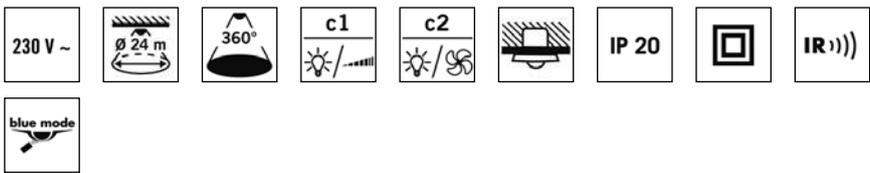P P N N L' L
L
N

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

Order description	Order no.	EAN no.	**PD-C360i/24 DIMplus-FM**

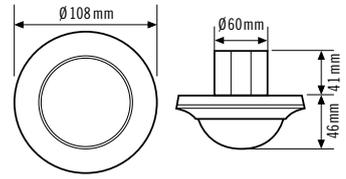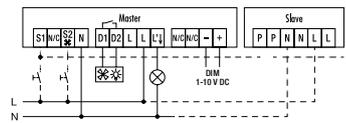**230 V ~** | **Ø 24 m** | **360°** | **c1** | **c2** | IP 20 | (IR)))

blue mode

- Presence detector with 360° field of detection for ceiling mounting Flush-mounted
- Range of up to 24 m in diameter at a recommended installation height of 3 m (maximum mounting height 5 m)
- Automatic light control (channel 1) to a constant brightness level depending on presence and natural light (1 - 10 V DC interface)
- Additional HVAC switch contact (channel 2) for switching an additional light source or controlling heating, ventilation and air conditioning depending on presence
- Both a light channel and an HVAC contact with 16 A high-performance relay (tungsten pre-contact)
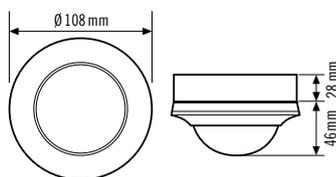- Default settings ensure immediate operability

PD-C360i/24 DIMplus-FM white	EP10426728	4015120426728	4 015120 426728

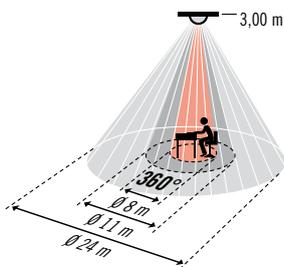## TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: 0.3 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/plus, Mobil-PDi/User remote controls (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 87 mm, Ø 108 mm
- Installation dimension: Installation depth 41 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: switching/dimming
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Control output: 1 - 10 V =/50 mA
- Switch-off delay time: approx. 1 minute – 30 minutes
- Orientation light: 10 % luminous efficiency
- Switch-off delay time, orientation light: approx. 1 minute – 60 minutes
- **Channel 2: HVAC**
- Exit: Switching
- Switching capacity channel 2: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5), Capacitive load/electronic ballasts max. in-rush current 800 A/200 µs
- Switch input: yes
- Contact: make contact/floating
- Switch-off delay channel 2: impulse/approx. 5 minute – 120 minutes
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 108 mm | Ø 60 mm | 41 mm | 46 mm

Accessories (detailed on page 246 - 271)

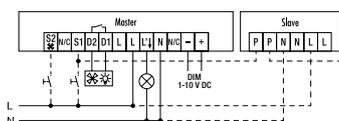|		
• PD-C360/8 Slave white	EP10055379	4015120055379
• PD-C360/24 Slave white	EP10055386	4015120055386
• Mobil-PDi/plus silver/metallic green	EM10425530	4015120425530
• Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Cover set C360/24 silver	EP10425431	4015120425431
• Basket guard 180/90 white	EM10425608	4015120425608

FIELD OF DETECTION

3,00 m

360°

Ø 8 m
Ø 11 m
Ø 24 m

Operating area approx. Ø 8 m

Head-on to detector approx. Ø 11 m

Passage area / diagonally to detector approx. Ø 24 m

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection. (N/C) do not connect.

PD-C360i/24 DIMplus-SM

Order description	Order no.	EAN no.

- Presence detector with 360° field of detection for ceiling mounting Surface mounted (plaster)
- Range of up to 24 m in diameter at a recommended installation height of 3 m (maximum mounting height 5 m)
- Automatic light control (channel 1) to a constant brightness level depending on presence and natural light (1 - 10 V DC interface)
- Additional HVAC switch contact (channel 2) for switching an additional light source or controlling heating, ventilation and air conditioning depending on presence
- Both a light channel and an HVAC contact with 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

	PD-C360i/24 DIMplus-SM white	EP10426735	4015120426735

SCALE DRAWING

Ø 108 mm

28 mm

46 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: 0.3 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/plus, Mobil-PDi/User remote controls (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Surface ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 74 mm, Ø 108 mm
- Installation dimension: , Installation hole size Ø 68
- Terminal: 1.5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: switching/dimming
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: approx. 1 minute – 30 minutes
- **Channel 2: HVAC**
- Exit: Switching
- Switching capacity channel 2: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5), Capacitive load/electronic ballasts max. in-rush current 800 A/200 µs
- Switch input: yes
- Control output: 1 - 10 V =/50 mA
- Contact: make contact/floating
- Switch-off delay channel 2: impulse/approx. 5 minute – 120 minutes
- Orientation light: 10 % luminous efficiency
- Switch-off delay time, orientation light: approx. 1 minute – 60 minutes
- Colour: white, similar to RAL 9010

FIELD OF DETECTION

3,00 m

360°

Ø 8 m
Ø 11 m
Ø 24 m

Operating area approx. Ø 8 m

Head-on to detector approx. Ø 11 m

Passage area / diagonally to detector approx. Ø 24 m

Accessories (detailed on page 246 - 271)

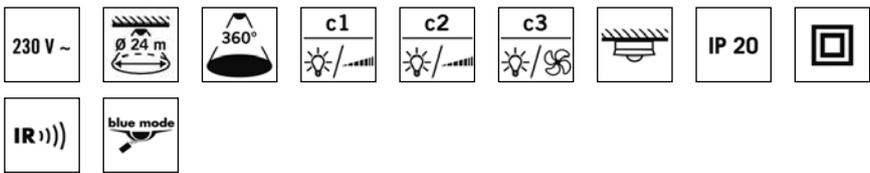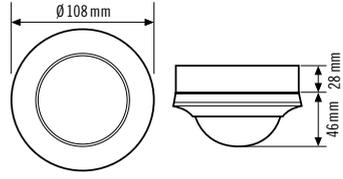|		
PD-C360/8 Slave white	EP10055379	4015120055379
PD-C360/24 Slave white	EP10055386	4015120055386
Mobil-PDi/plus silver/metallic green	EM10425530	4015120425530
Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 180/90 white	EM10425608	4015120425608
SRM-230V relay module, white	EP10426346	4015120426346

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection. (N/C) do not connect.

Order description	Order no.	EAN no.	**PD-C360i/24 DUODIMplus-SM**

- Presence detector with 360° field of detection for ceiling mounting Surface mounted (plaster)
- Range of up to 24 m in diameter at a recommended installation height of 3 m (maximum mounting height 5 m) and for a independent control of 2 lighting areas (window and internal areas) depending on presence and natural light
- Automatic light control (channel 1 + 2) to a constant brightness level depending on presence and natural light (1 - 10 V DC interface)
- Additional HVAC switch contact (channel 3) for switching an additional light source or controlling heating, ventilation and air conditioning depending on presence
- Both light channels and the HVAC contact with 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

| PD-C360i/24 DUODIMplus-SM white | EP10426759 | 4015120426759 | |

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: 0.3 W
- Setting options: electronically by infrared Mobil-PDi/plus, Mobil-PDi/User (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Surface ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 74 mm, Ø 108 mm
- Installation dimension: , Installation hole size Ø 68
- Terminal: 1.5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: switching/dimming
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay),
  2300 W/4.5 A (cos phi = 1),
  500 VA/2.25 A (cos phi = 0.5)

- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: approx. 1 minute – 30 minutes
- **Channel 2: Lighting**
- Exit: switching/dimming
- Switching capacity channel 2: 230 V AC 50 Hz (16 A relay),
  2300 W/10 A (cos phi = 1),
  1150 VA/5 A (cos phi = 0.5), Capacitive load/electronic ballasts max. in-rush current 800 A/200 µs
- Switch input: yes
- Control output: 1 - 10 V =/50 mA
- Contact: make contact/non-floating
- Switch-off delay channel 2: approx. 1 minute – 30 minutes
- Orientation light: 10 % luminous efficiency
- Switch-off delay time, orientation light: approx. 1 minute – 60 minutes
- **Channel 3: HVAC**
- Switching capacity channel 3: 230 V AC 50 Hz (16 A relay),
  2300 W/10 A (cos phi = 1),
  1150 VA/5 A (cos phi = 0.5), Capacitive load/electronic ballasts max. in-rush current 800 A/200 µs
- Switch input: yes
- Switch-off delay channel 3: approx. 1 minute – 30 minutes
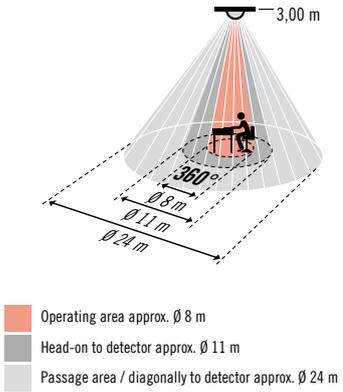- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 108 mm

28 mm
46 mm

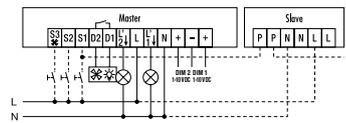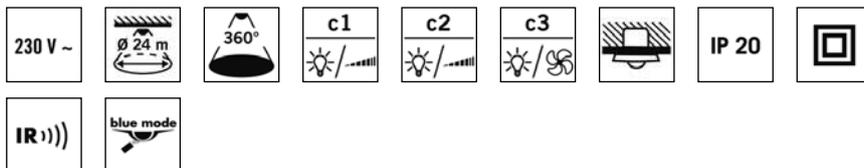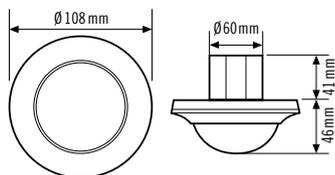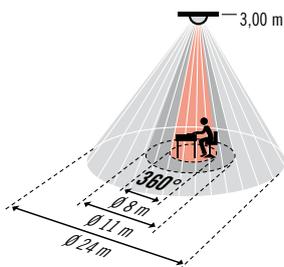## Accessories (detailed on page 246 - 271)

PD-C360/8 Slave white	EP10055379	4015120055379
PD-C360/24 Slave white	EP10055386	4015120055386
Mobil-PDi/plus silver/metallic green	EM10425530	4015120425530
Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 180/90 white	EM10425608	4015120425608

FIELD OF DETECTION

3,00 m

360°
Ø 8 m
Ø 11 m
Ø 24 m

■ Operating area approx. Ø 8 m

■ Head-on to detector approx. Ø 11 m

■ Passage area / diagonally to detector approx. Ø 24 m

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Master | Slave

S3 S2 S1 D2 D1 L' L' L N + − + | P P N N L L

DIM 2 DIM 1
1-10 VDC 1-10 VDC

L
N

Standard operation

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

PD-C360i/24 DUODIMplus-FM

| Order description | Order no. | EAN no. |

230 V ~ | **Ø 24 m** | **360°** | **c1** | **c2** | **c3** | | **IP 20** |

IR)) | **blue mode**

- Presence detector with 360° field of detection for ceiling mounting Flush-mounted
- Range of up to 24 m in diameter at a recommended installation height of 3 m (maximum mounting height 5 m) and for a independent control of 2 lighting areas (window and internal areas) depending on presence and natural light
- Automatic light control (channel 1 + 2) to a constant brightness level depending on presence and natural light (1 - 10 V DC interface)
- Additional HVAC switch contact (channel 3) for switching an additional light source or controlling heating, ventilation and air conditioning depending on presence
- Both light channels and the HVAC contact with 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

| | PD-C360i/24 DUODIMplus-FM white | EP10426742 | 4015120426742 |

SCALE DRAWING

Ø 108 mm Ø 60mm 41 mm 46mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: 0.3 W
- Setting options: electronically by infrared Mobil-PDi/plus, Mobil-PDi/User (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 87 mm, Ø 108 mm
- Installation dimension: Installation depth 41 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: switching/dimming
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)

- In-rush current: 800 A / 200 µs
- Switch input: yes
- Control output: 1 - 10 V =/50 mA
- Switch-off delay time: approx. 1 minute – 30 minutes
- Orientation light: 10 % luminous efficiency
- Switch-off delay time, orientation light: approx. 1 minute – 60 minutes
- **Channel 2: Lighting**
- Exit: switching/dimming
- Switching capacity channel 2: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5), Capacitive load/electronic ballasts max. in-rush current 800 A/200 µs
- Switch input: yes
- Contact: make contact/non-floating
- Switch-off delay channel 2: approx. 1 minute – 30 minutes
- **Channel 3: HVAC**
- Switching capacity channel 3: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5), Capacitive load/electronic ballasts max. in-rush current 800 A/200 µs
- Switch input: yes
- Switch-off delay channel 3: approx. 1 minute – 30 minutes
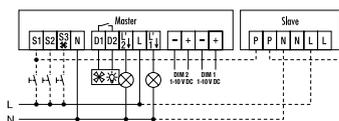- Colour: white, similar to RAL 9010

FIELD OF DETECTION

3,00 m

360°
Ø 8 m
Ø 11 m
Ø 24 m

■ Operating area approx. Ø 8 m
■ Head-on to detector approx. Ø 11 m
□ Passage area / diagonally to detector approx. Ø 24 m

Accessories (detailed on page 246 - 271)

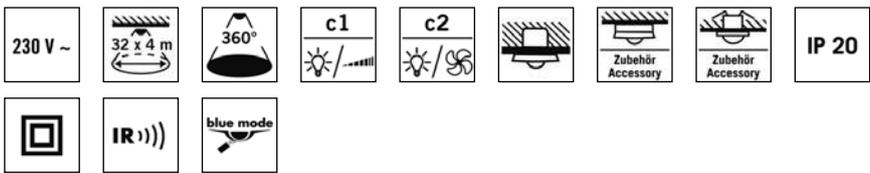|		
PD-C360/8 Slave white	EP10055379	4015120055379
PD-C360/24 Slave white	EP10055386	4015120055386
Mobil-PDi/plus silver/metallic green	EM10425530	4015120425530
Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Cover set C360/24 silver	EP10425431	4015120425431
Basket guard 180/90 white	EM10425608	4015120425608

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Master | Slave
S1 S2 S3 N D1 D2 L L | P P N N L L
DIM 2 1-10 V DC   DIM 1 1-10 V DC
L
N

Standard operation

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

Order description	Order no.	EAN no.	**PD-C360i/24 DIMplus WH**

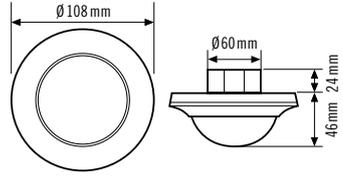| 230 V ~ | 32 x 4 m | 360° | c1 ☼/▮▮▮ | c2 ☼/⚙ | | Zubehör Accessory | Zubehör Accessory | IP 20 |

| ▣ | IR))) | blue mode |

- Presence detector with 360° field of detection for ceiling mounting.
- range of up to 32 m, elliptic detection range of 32 m in length and 4 m in width, at an installation height of 10 m (maximum installation height approximately 15 m)
- Automatic light control (channel 1) to a constant brightness level (at a height of up to 5 m) depending on presence and daylight (1 - 10 V = interface)
- Additional HVAC switch contact (channel 2) for switching an additional light source or controlling heating, ventilation and air conditioning depending on presence
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

| PD-C360i/24 DIMplus WH white | EP10425783 | 4015120425783 | 4 015120 425783 |

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: electronically by infrared Mobil-PDi/plus, Mobil-PDi/User (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20,
  IP 54 with surface-mounted box (order separately),
  IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm, Ø 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Approx. power consumption: 0.3 W
- Field of detection: 360°
- Range: approx. 32 m, at an installation height of 10 m to 15 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: switching/dimming
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/4.5 A (cos phi = 1), 500 VA/2.25 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Control output: 1 - 10 V =/50 mA
- Switch-off delay time: approx. 1 minute – 15 min.
- Orientation light: 10 % luminous efficiency
- Switch-off delay time, orientation light: approx. 1 minute – 60 minutes
- **Channel 2: HVAC**
- Exit: Switching
- Switching capacity channel 2: 230 V AC 50 Hz, 1000 W/4.5 A (cos φ = 1), 500 VA/2.25 A (cos φ =0.5), Capacitive load/electronic ballasts max. in-rush current 30 A/20 ms
- Switch input: yes
- Contact: make contact/non-floating
- Switch-off delay channel 2: impulse/approx. 1 minute – 30 minutes
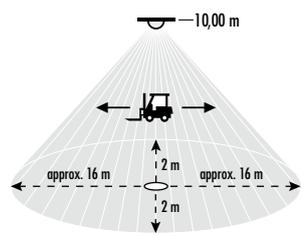- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 108 mm
Ø 60 mm
24 mm
46 mm
24 mm

Accessories (detailed on page 246 - 271)

PD-C360/8 Slave white	EP10055379	4015120055379
PD-C360/24 Slave white	EP10055386	4015120055386
PD-C360/24 Slave WH white	EP10425790	4015120425790
Mobil-PDi/plus silver/metallic green	EM10425530	4015120425530
Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
Cover set C360/24 silver	EP10425431	4015120425431
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 180/90 white	EM10425608	4015120425608
ILR-230V current-limiting module, white	EP10426353	4015120426353
RC filter/snubber	EP10426988	4015120426988

FIELD OF DETECTION

10,00 m

approx. 16 m | 2 m | approx. 16 m
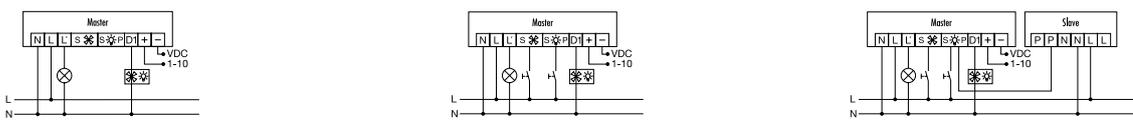2 m

▨ Passage area / diagonally to detector

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

PD-C360/8 SLAVE

Order description	Order no.	EAN no.

- „Slave" presence detector for extending the field of detection of a „master" presence detector with 360° field of detection for ceiling mounting
- Range of up to 8 m in diameter as a cost efficient system upgrade with up to 10 additional extensions
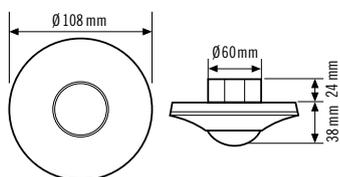- Connection of the „Slave" detector to many presence detectors of the PD-C series possible
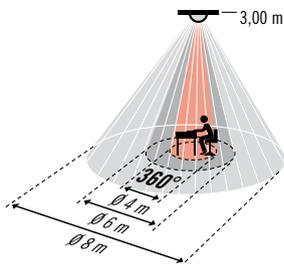
	PD-C360/8 Slave white	EP10055379	4015120055379

SCALE DRAWING

Ø 108 mm
Ø 60 mm
38 mm 24 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 62 mm, Ø 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m

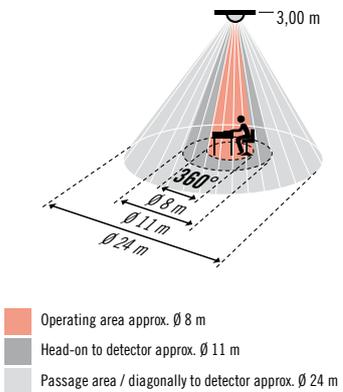- **Channel 1: Presence**
- Colour: white, similar to RAL 9010

FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

- Operating area approx. Ø 4 m
- Head-on to detector approx. Ø 6 m
- Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

• Surface-mounted box-C IP 20 white	EP10425370	4015120425370
• Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
• Surface-mounted box-C IP 54 white	EP10425905	4015120425905
• Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
• Cover set C360/8 silver	EP10425936	4015120425936
• Ceiling recessed-mounted set-C white	EP10425929	4015120425929
• Basket guard 165/70 white	EM10425615	4015120425615
• Basket guard 180/90 white	EM10425608	4015120425608

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

Order description	Order no.	EAN no.	**PD-C360/24 SLAVE**

230 V ~	Ø 24 m	360°		Zubehör Accessory	Zubehör Accessory	IP 20	

- „Slave" presence detector for extending the field of detection of a „master" presence detector with 360° field of detection for ceiling mounting
- Range of up to 24 m in diameter as a cost efficient system upgrade with up to 10 additional extensions
- Ideal for use in areas with ceilings of up to 10 m, such as sports halls, warehouses etc.
- Connection of the „Slave" detector to many presence detectors of the PD-C series possible
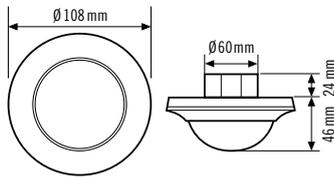
PD-C360/24 Slave white	EP10055386	4015120055386	4 015120 055386

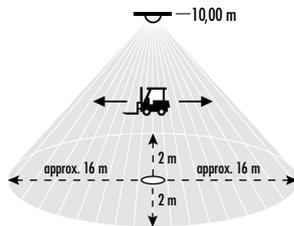### TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: height 70 mm, Ø 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m

- **Channel 1: Presence**
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 108 mm
Ø 60 mm
24 mm
46 mm

Accessories (detailed on page 246 - 271)

Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
Cover set C360/24 silver	EP10425431	4015120425431
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

FIELD OF DETECTION

3,00 m
360°
Ø 8 m
Ø 11 m
Ø 24 m

Operating area approx. Ø 8 m

Head-on to detector approx. Ø 11 m

Passage area / diagonally to detector approx. Ø 24 m

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

PD-C360/24 SLAVE WH

Order description	Order no.	EAN no.

230 V ~ | 32 x 4 m | 360° | | Zubehör Accessory | Zubehör Accessory | IP 20 | □

- „Slave" presence detector for extending the field of detection of a „master" presence detector with 360° field of detection for ceiling mounting
- Range of up to 32 m, elliptic detection range of 32 m in length and 4 m in width, at an installation height of 10 m (maximum installation height approximately 15 m)
- For cost-effective system upgrade, up to 10 „slave" presence detectors can be connected to a „master"
- Ideal for use in areas with ceilings of up to approx. 15 msuch as warehouses etc.
- Connection of the „Slave" detector to many presence detectors of the PD-C series possible

	PD-C360/24 Slave WH white	EP10425790	4015120425790

SCALE DRAWING

Ø 108 mm
Ø 60mm
24 mm
46 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20,
  IP 20/IP 54 with surface-mounted box (order separately),
  IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm, Ø 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 32 m, at an installation height of 10 m to 15 m

- **Channel 1: Presence**
- Colour: white, similar to RAL 9010

FIELD OF DETECTION

10,00 m

approx. 16 m   approx. 16 m
2 m
2 m

Passage area / diagonally to detector

Accessories (detailed on page 246 - 271)

PD-C360i/24 DIMplus WH white	EP10425783	4015120425783
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
Cover set C360/24 silver	EP10425431	4015120425431
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

PRESENCE DETECTORS
COMPACT EXPRESS SERIES

Product designation	MD-CE360i/8	MD-CE360i/8 GST
Item number	EP10510007	EP10510014
Mains voltage	230 V AC/50 Hz	230 V AC/50 Hz
Field of detection	360°	360°
Range (Ø in m)	8	8
Rec. installation height	3	3
Rec. Max. mounting height	5	5
Installation type	Recessed ceiling mounting	Recessed ceiling mounting
Fixed cable	-	100
Protection type	IP 40	IP 40
Number of parallel switchable detectors	10	10
Slave input	no	no
Channel 1: Lighting		
Interface	Switching	Switching
Contact	make contact/non-floating	make contact/non-floating
Switching capacity channel 1	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
In-rush current	800 A/200 µs	800 A/200 µs
Switch input	yes	yes
fully automatic	yes	yes
Impulse feature	yes	yes
SEE PAGE	**108**	**109**

MD-CE360i/8 WAGO	MD-CE360i/24	MD-CE360i/24 GST	MD-CE360i/24 WAGO
EP10510045	EP10510021	EP10510038	EP10510052
230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz
360°	360°	360°	360°
8	24	24	24
3	3	3	3
5	10	10	10
Recessed ceiling mounting	Recessed ceiling mounting	Recessed ceiling mounting	Recessed ceiling mounting
150	-	100	150
IP 40	IP 40	IP 40	IP 40
10	10	10	10
no	no	no	no
Switching	Switching	Switching	Switching
make contact/non-floating	make contact/non-floating	make contact/non-floating	make contact/non-floating
230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
800 A/200 µs	800 A/200 µs	800 A/200 µs	800 A/200 µs
yes	yes	yes	yes
yes	yes	yes	yes
yes	yes	yes	yes
110	111	112	113

PRESENCE DETECTORS
COMPACT EXPRESS SERIES

Product designation	PD-CE360i/8	PD-CE360i/8 GST
Item number	EP10510700	EP10510717
Mains voltage	230 V AC/50 Hz	230 V AC/50 Hz
Field of detection	360°	360°
Range (Ø in m)	8	8
Rec. installation height	3	3
Rec. Max. mounting height	5	5
Installation type	Recessed ceiling mounting	Recessed ceiling mounting
Fixed cable	-	100
Protection type	IP 40	IP 40
Slave input	yes	yes
Max. number of slave detectors	10	10
Channel 1: Lighting		
Interface	Switching	Switching
Contact	make contact/non-floating	make contact/non-floating
Switching capacity channel 1	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
In-rush current	800 A/200 µs	800 A/200 µs
Switch input	yes	yes
fully automatic	yes	yes
Semi-automatic	yes	yes
Impulse feature	yes	yes
SEE PAGE	**114**	**115**

PD-CE360i/8 WAGO	PD-CE360i/24	PD-CE360i/24 GST	PD-CE360i/24 WAGO
EP10510786	EP10510724	EP10510731	EP10510793
230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz
360°	360°	360°	360°
8	24	24	24
3	3	3	3
5	10	10	10
Recessed ceiling mounting	Recessed ceiling mounting	Recessed ceiling mounting	Recessed ceiling mounting
150	-	100	150
IP 40	IP 40	IP 40	IP 40
yes	yes	yes	yes
10	10	10	10
Switching	Switching	Switching	Switching
make contact/non-floating	make contact/non-floating	make contact/non-floating	make contact/non-floating
230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
800 A/200 µs	800 A/200 µs	800 A/200 µs	800 A/200 µs
yes	yes	yes	yes
yes	yes	yes	yes
yes	yes	yes	yes
yes	yes	yes	yes
116	**117**	**118**	**119**

MD-CE360i/8

	Order description	Order no.	EAN no.

230 V ~ | Ø 8 m | 360° | c1 | | IP 40 | | IR))) | blue mode

- Recessed ceiling-mounted motion detector with 360° field of detection
- Range of up to 8 m across at a recommended installation height of 3 m (maximum mounting height 5 m), for use in small rooms, passageways, toilets, small offices, hallways with no or little natural lighting
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

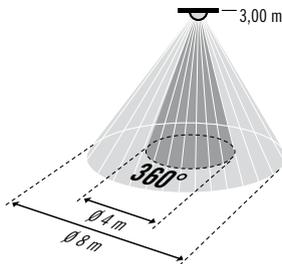|	MD-CE360i/8 opal matt	EP10510007	4015120510007

4 015120 510007

SCALE DRAWING

Ø 82 mm
Ø 68 mm
67 mm
24 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 91 mm, Ø 82 mm
- Installation dimension: Installation depth 67 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no

- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
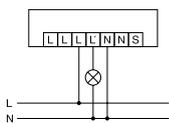- Colour: Opal matt

FIELD OF DETECTION

3,00 m

360°

Ø 4 m
Ø 8 m

Head-on to detector approx. Ø 4 m

Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

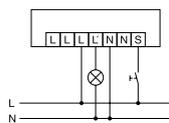|			
Mobil-PDi/MDi silver/metallic blue	EM10425509		4015120425509
Mobil-PDi/MDi-universal white	EP10433993		4015120433993
Basket guard 165/70 white	EM10425615		4015120425615
RC filter/snubber	EP10426988		4015120426988

Note: a max. of 10 devices can be connected parallel. The max. line length should not exceed 100 m.
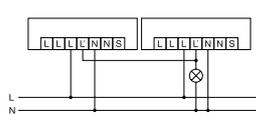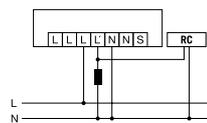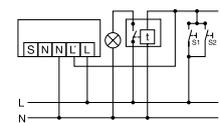
CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a button.

Parallel connection of max. 10 motion detectors.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Parallel connection with automatic stairwell light.

Order description	Order no.	EAN no.	**MD-CE360i/8 GST**

230 V ~ | Ø 8 m | 360° | c1 | IP 40 | IR))) | blue mode

- Recessed ceiling-mounted motion detector with 360° field of detection
- Range of up to 8 m across at a recommended installation height of 3 m (maximum mounting height 5 m), for use in small rooms, passageways, toilets, small offices, hallways with no or little natural lighting
- 1.0 m pre-assembled GST18i3 inlet and outlet
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

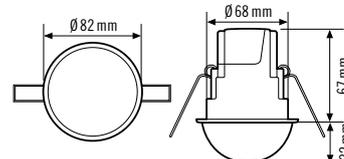| MD-CE360i/8 GST opal matt	EP10510014	4015120510014	4 015120 510014

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 91 mm, Ø 82 mm
- Installation dimension: Installation depth 67 mm, Installation hole size Ø 68 mm
- Supply line: With 1.0 m of pre-assembled GST18i3 inlet and outlet
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no

- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
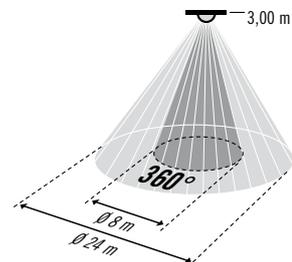- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: Opal matt

SCALE DRAWING

1,0 m
Ø 82 mm
Ø 68 mm
67 mm
24 mm

Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
RC filter/snubber	EP10426988	4015120426988

FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 8 m

Head-on to detector approx. Ø 4 m

Passage area / diagonally to detector approx. Ø 8 m

Note: a max. of 10 devices can be connected parallel. The max. line length should not exceed 100 m.

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a button.

Parallel connection of max. 10 motion detectors.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Parallel connection with automatic stairwell light.

MD-CE360i/8 WAGO

Order description	Order no.	EAN no.

230 V ~ | Ø 8 m | 360° | c1 | | IP 40 | | IR))) | blue mode

- Recessed ceiling-mounted motion detector with 360° field of detection
- Range of up to 8 m across at a recommended installation height of 3 m (maximum mounting height 5 m), for use in small rooms, passageways, toilets, small offices, hallways with no or little natural lighting
- 1.5 m pre-assembled WAGO WINSTA® inlet and outlet
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

4 015120 510045	MD-CE360i/8 WAGO opal matt	EP10510045	4015120510045

SCALE DRAWING

1,5 m
Ø 82 mm
Ø 68 mm
67 mm
24 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 91 mm, Ø 82 mm
- Installation dimension: Installation depth 67 mm, Installation hole size Ø 68 mm
- Supply line: With 1.5 m pre-assembled WAGO WINSTA® inlet and outlet
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no

- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: Opal matt

FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 8 m

■ Head-on to detector approx. Ø 4 m

□ Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

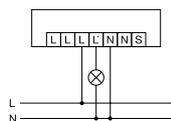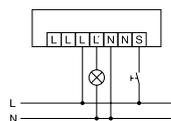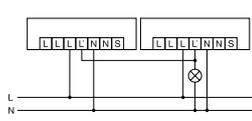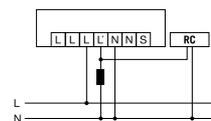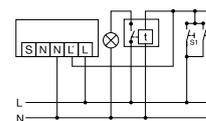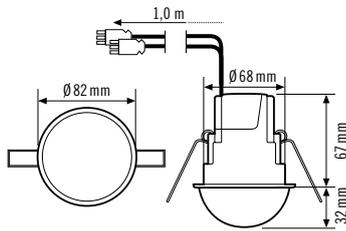|		
• Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Basket guard 165/70 white	EM10425615	4015120425615
• RC filter/snubber	EP10426988	4015120426988

Note: a max. of 10 devices can be connected parallel. The max. line length should not exceed 100 m.

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a button.

Parallel connection of max. 10 motion detectors.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Parallel connection with automatic stairwell light.

Order description	Order no.	EAN no.	MD-CE360i/24

230 V ~ | **Ø 24 m** | **360°** | **c1** | | **IP 40** | | **IR))）** | **blue mode**

- Recessed ceiling-mounted motion detector with 360° field of detection
- Large range of up to 24 m in diameter at a recommended installation height of 3 m (maximum mounting height 5 m), suitable for a variety of uses
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

MD-CE360i/24 opal matt	EP10510021	4015120510021	4 015120 510021

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 99 mm, Ø 82 mm
- Installation dimension: Installation depth 67 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: no

- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
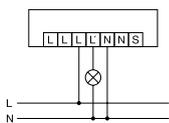- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: Opal matt

SCALE DRAWING

Ø 82 mm — Ø 68 mm — 67 mm — 32 mm

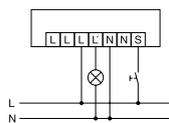### Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
RC filter/snubber	EP10426988	4015120426988

FIELD OF DETECTION

3,00 m
360°
Ø 8 m
Ø 24 m

■ Head-on to detector approx. Ø 8 m

□ Passage area / diagonally to detector approx. Ø 24 m

Note: a max. of 10 devices can be connected parallel. The max. line length should not exceed 100 m.
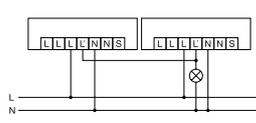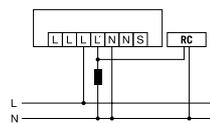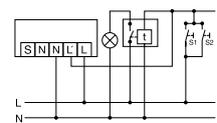
CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a button.

Parallel connection of max. 10 motion detectors.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Parallel connection with automatic stairwell light.

MD-CE360i/24 GST

Order description	Order no.	EAN no.

230 V ~	Ø 24 m	360°	c1		IP 40		IR)))	blue mode

- Recessed ceiling-mounted motion detector with 360° field of detection
- Large range of up to 24 m in diameter at a recommended installation height of 3 m (maximum mounting height 5 m), suitable for a variety of uses
- 1.0 m pre-assembled GST18i3 inlet and outlet
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

	MD-CE360i/24 GST opal matt	EP10510038	4015120510038

4 015120 510038

SCALE DRAWING

1,0 m

Ø 82 mm

Ø 68 mm

67 mm

32 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 99 mm, Ø 82 mm
- Installation dimension: Installation depth 67 mm, Installation hole size Ø 68 mm
- Supply line: With 1.0 m of pre-assembled GST18i3 inlet and outlet
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: no

- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 μs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
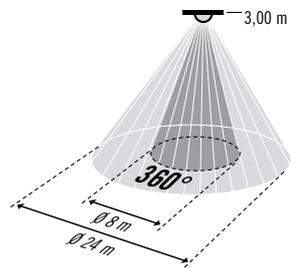- Colour: Opal matt

FIELD OF DETECTION

3,00 m

360°

Ø 8 m

Ø 24 m

Head-on to detector approx. Ø 8 m

Passage area / diagonally to detector approx. Ø 24 m

Accessories (detailed on page 246 - 271)

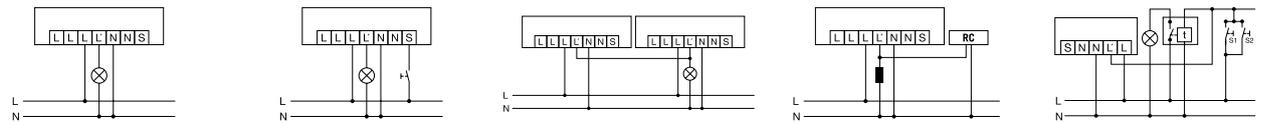| Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
RC filter/snubber	EP10426988	4015120426988

Note: a max. of 10 devices can be connected parallel. The max. line length should not exceed 100 m.

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a button.

Parallel connection of max. 10 motion detectors.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Parallel connection with automatic stairwell light.

Order description	Order no.	EAN no.	MD-CE360i/24 WAGO

- Recessed ceiling-mounted motion detector with 360° field of detection
- Large range of up to 24 m in diameter at a recommended installation height of 3 m (maximum mounting height 5 m), suitable for a variety of uses
- 1.5 m pre-assembled WAGO WINSTA® inlet and outlet
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

MD-CE360i/24 WAGO opal matt	EP10510052	4015120510052	4 015120 510052

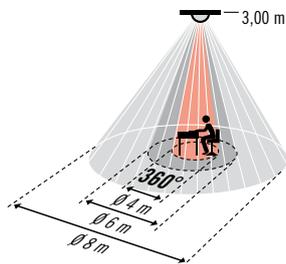## TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C …+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 99 mm, Ø 82 mm
- Installation dimension: Installation depth 67 mm, Installation hole size Ø 68 mm
- Supply line: With 1.5 m pre-assembled WAGO WINSTA® inlet and outlet
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: no

- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: Opal matt

SCALE DRAWING

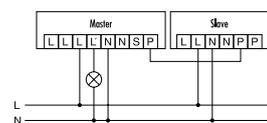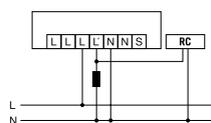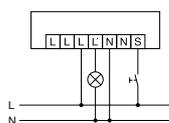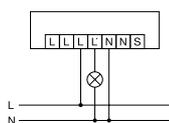Ø 82 mm
1,5 m
Ø 68 mm
67 mm
32 mm

Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
RC filter/snubber	EP10426988	4015120426988

FIELD OF DETECTION

3,00 m
360°
Ø 8 m
Ø 24 m

Head-on to detector approx. Ø 8 m

Passage area / diagonally to detector approx. Ø 24 m

Note: a max. of 10 devices can be connected parallel. The max. line length should not exceed 100 m.

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a button.

Parallel connection of max. 10 motion detectors.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Parallel connection with automatic stairwell light.

PD-CE360i/8

	Order description	Order no.	EAN no.

230 V ~ | Ø 8 m | 360° | c1 | IP 40 | IR))) | blue mode

- Presence detector with 360° field of detection for recessed ceiling mounting
- range of up to 8 m in diameter at a recommended installation height of 3 m (maximum height 5 m) for use in small rooms and passageways with natural lighting
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

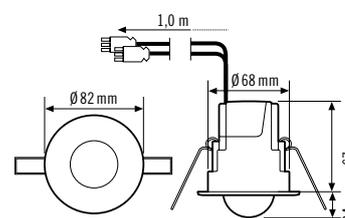|			
4 015120 510700	PD-CE360i/8 opal matt	EP10510700	4015120510700

SCALE DRAWING

Ø 82 mm   Ø 68 mm   67 mm   24 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 91 mm, Ø 82 mm
- Installation dimension: Installation depth 67 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes

- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
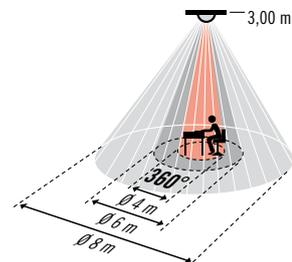- Colour: Opal matt

FIELD OF DETECTION

3,00 m

360°
Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

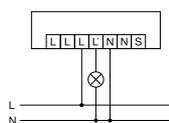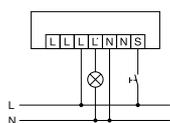|		
PD-CE360/8 slave opal matt	EP10510748	4015120510748
PD-CE360/24 slave opal matt	EP10510755	4015120510755
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
RC filter/snubber	EP10426988	4015120426988

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

L L L L N N S   L L L L N N S   L L L L N N S RC   Master Slave / L L L L N N S P L L N N P P

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

Order description	Order no.	EAN no.	**PD-CE360i/8 GST**

230 V ~   Ø 8 m   360°   c1 ☀   IP 40   IR))   blue mode

- Presence detector with 360° field of detection for recessed ceiling mounting
- range of up to 8 m in diameter at a recommended installation height of 3 m (maximum height 5 m) for use in small rooms and passageways with natural lighting
- 1.0 m pre-assembled GST18i3 inlet and outlet
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

PD-CE360i/8 GST opal matt	EP10510717	4015120510717	

4 015120 510717

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 91 mm, Ø 82 mm
- Installation dimension: Installation depth 67 mm, Installation hole size Ø 68 mm
- Supply line: With 1.0 m of pre-assembled GST18i3 inlet and outlet
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes

- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: Opal matt

SCALE DRAWING

1,0 m
Ø 82 mm
Ø 68 mm
67 mm
24 mm

Accessories (detailed on page 246 - 271)

PD-CE360/8 slave opal matt	EP10510748	4015120510748
PD-CE360/24 slave opal matt	EP10510755	4015120510755
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
RC filter/snubber	EP10426988	4015120426988

FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

▮ Operating area approx. Ø 4 m

▮ Head-on to detector approx. Ø 6 m

▮ Passage area / diagonally to detector approx. Ø 8 m

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.
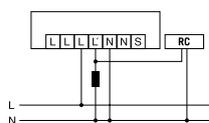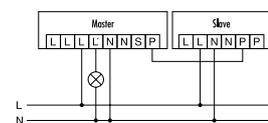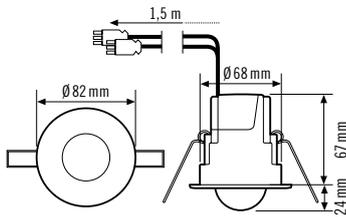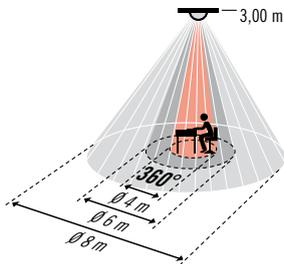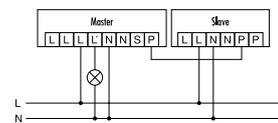
CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

PD-CE360i/8 WAGO

Order description	Order no.	EAN no.

230 V ~ | Ø 8 m | 360° | c1 ☼ | IP 40 | IR))) | blue mode

- Presence detector with 360° field of detection for recessed ceiling mounting
- range of up to 8 m in diameter at a recommended installation height of 3 m (maximum height 5 m) for use in small rooms and passageways with natural lighting
- 1.5 m pre-assembled WAGO WINSTA® inlet and outlet
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

	PD-CE360i/8 WAGO opal matt	EP10510786	4015120510786

4 015120 510786

SCALE DRAWING

1,5 m
Ø 82 mm
Ø 68 mm
67 mm
24 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 91 mm, Ø 82 mm
- Installation dimension: Installation depth 67 mm, Installation hole size Ø 68 mm
- Supply line: With 1.5 m pre-assembled WAGO WINSTA® inlet and outlet
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes

- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 μs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: Opal matt
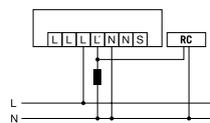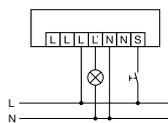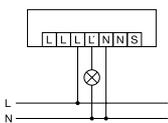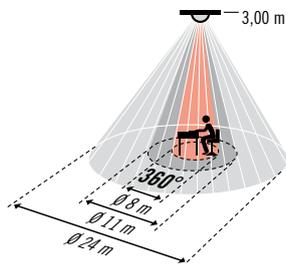
FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

PD-CE360/8 slave opal matt	EP10510748	4015120510748
PD-CE360/24 slave opal matt	EP10510755	4015120510755
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
RC filter/snubber	EP10426988	4015120426988

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

L L L L N N S

L L L L N N S

L L L L N N S | RC

Master | Slave
L L L L N N S P | L L N N P P

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

Order description	Order no.	EAN no.	**PD-CE360i/24**

230 V ~ | Ø 24 m | 360° | c1 | IP 40 | IR))) | blue mode

- Presence detector with 360° field of detection for recessed ceiling mounting
- range of up to 24 m in diameter for use in offices, classrooms, board rooms etc. and hallways with natural lighting
- Ideal for use in areas with ceilings of up to 10 m, such as sports halls, warehouses etc.
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

PD-CE360i/24 opal matt	EP10510724	4015120510724	4 015120 510724

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 99 mm, Ø 82 mm
- Installation dimension: Installation depth 67 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: yes

- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
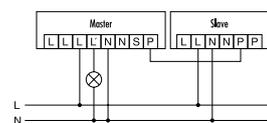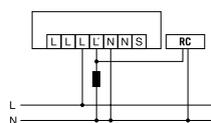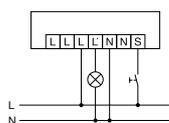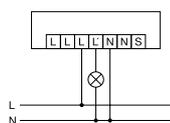- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: Opal matt

SCALE DRAWING

Ø 82 mm   Ø 68 mm   67 mm   32 mm

Accessories (detailed on page 246 - 271)

PD-CE360/8 slave opal matt	EP10510748	4015120510748
PD-CE360/24 slave opal matt	EP10510755	4015120510755
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
RC filter/snubber	EP10426988	4015120426988

FIELD OF DETECTION

3,00 m
360°
Ø 8 m
Ø 11 m
Ø 24 m

Operating area approx. Ø 8 m

Head-on to detector approx. Ø 11 m

Passage area / diagonally to detector approx. Ø 24 m

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

L L L L N N S

L L L L N N S

L L L L N N S | RC

Master | Slave
L L L L N N S P | L L N N P P

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

PD-CE360i/24 GST

Order description	Order no.	EAN no.

230 V ~ | Ø 24 m | 360° | c1 ☼ | | IP 40 | □ | IR))) | blue mode

- Presence detector with 360° field of detection for recessed ceiling mounting
- range of up to 24 m in diameter for use in offices, classrooms, board rooms etc. and hallways with natural lighting
- 1.0 m pre-assembled GST18i3 inlet and outlet
- Ideal for use in areas with ceilings of up to 10 m, such as sports halls, warehouses etc.
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

	PD-CE360i/24 GST opal matt	EP10510731	4015120510731
4 015120 510731			

SCALE DRAWING

Ø 82 mm
Ø 68 mm
1,0 m
67 mm
32 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 99 mm, Ø 82 mm
- Installation dimension: Installation depth 67 mm, Installation hole size Ø 68 mm
- Supply line: With 1.0 m of pre-assembled GST18i3 inlet and outlet
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: yes

- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: Opal matt

FIELD OF DETECTION

3,00 m
360°
Ø 8 m
Ø 11 m
Ø 24 m

■ Operating area approx. Ø 8 m
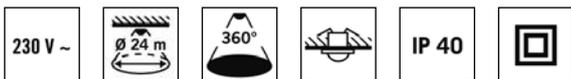
■ Head-on to detector approx. Ø 11 m

■ Passage area / diagonally to detector approx. Ø 24 m

Accessories (detailed on page 246 - 271)

PD-CE360/8 slave opal matt	EP10510748	4015120510748
PD-CE360/24 slave opal matt	EP10510755	4015120510755
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
RC filter/snubber	EP10426988	4015120426988

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

| L L L L N N S | L L L L N N S | L L L L N N S | RC | Master L L L L N N S P | Slave L L N N P P |

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

Order description	Order no.	EAN no.	**PD-CE360i/24 WAGO**

230 V ~ | **Ø 24 m** | **360°** | **c1** | | **IP 40** | | **IR))))** | **blue mode**

- Presence detector with 360° field of detection for recessed ceiling mounting
- range of up to 24 m in diameter for use in offices, classrooms, board rooms etc. and hallways with natural lighting
- 1.5 m pre-assembled WAGO WINSTA® inlet and outlet
- Ideal for use in areas with ceilings of up to 10 m, such as sports halls, warehouses etc.
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

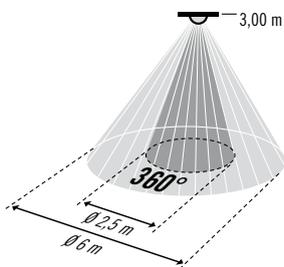| PD-CE360i/24 WAGO opal matt	EP10510793	4015120510793	

4 015120 510793

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 99 mm, Ø 82 mm
- Installation dimension: Installation depth 67 mm, Installation hole size Ø 68 mm
- Supply line: With 1.5 m pre-assembled WAGO WINSTA® inlet and outlet
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: yes

- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: Opal matt

SCALE DRAWING

1,5 m
Ø 82 mm
Ø 68 mm
67 mm
32 mm

Accessories (detailed on page 246 - 271)

PD-CE360/8 slave opal matt	EP10510748	4015120510748
PD-CE360/24 slave opal matt	EP10510755	4015120510755
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
RC filter/snubber	EP10426988	4015120426988

FIELD OF DETECTION

3,00 m
360°
Ø 8 m
Ø 11 m
Ø 24 m

Operating area approx. Ø 8 m

Head-on to detector approx. Ø 11 m

Passage area / diagonally to detector approx. Ø 24 m

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

PD-CE360/8 SLAVE

Order description	Order no.	EAN no.

230 V ~ | **Ø 8 m** | **360°** | | **IP 40** |

- „Slave" presence detector for extending the field of detection of a „master" presence detector with 360° field of detection for recessed ceiling mounting
- range of up to 8 m in diameter as a cost efficient system upgrade with up to 10 additional extensions
- „Slave" detector can be connected to the following presence detectors:
- PD-CE360i/8 / PD-CE360i/8 GST / PD-CE360i/8 WAGO
- PD-CE360i/24 / PD-CE360i/24 GST / PD-CE360i/24 WAGO

	PD-CE360/8 slave opal matt	EP10510748	4015120510748

SCALE DRAWING

Ø 82 mm | Ø 68 mm | 67 mm | 24 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate, UV-stabilised PE
- Approx. dimensions: Height 91 mm, Ø 82 mm
- Installation dimension: Installation depth 67 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Included in delivery: inklusive Linsenmaske
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- **Channel 1: Lighting**
- Colour: Opal matt

FIELD OF DETECTION

3,00 m | 360° | Ø 4 m | Ø 6 m | Ø 8 m

■ Operating area approx. Ø 4 m
■ Head-on to detector approx. Ø 6 m
■ Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

• PD-CE360/8 slave opal matt	EP10510748	4015120510748
• PD-CE360/24 slave opal matt	EP10510755	4015120510755
• Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Basket guard 165/70 white	EM10425615	4015120425615
• RC filter/snubber	EP10426988	4015120426988

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

Order description	Order no.	EAN no.	**PD-CE360/24 SLAVE**

230 V ~ | Ø 24 m | 360° | IP 40 | ▣

- „Slave" presence detector for extending the field of detection of a „master" presence detector with 360° field of detection for recessed ceiling mounting
- range of up to 24 m in diameter as a cost efficient system upgrade with up to 10 additional extensions
- Ideal for use in areas with ceilings of up to 10 m, such as sports halls, warehouses etc.
- „Slave" detector can be connected to the following presence detectors:
- PD-CE360i/8 / PD-CE360i/8 GST / PD-CE360i/8 WAGO
- PD-CE360i/24 / PD-CE360i/24 GST / PD-CE360i/24 WAGO

| PD-CE360/24 slave opal matt | EP10510755 | 4015120510755 | |

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate, UV-stabilised PE
- Approx. dimensions: Height 99 mm, Ø 82 mm
- Installation dimension: Installation depth 67 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Included in delivery: inklusive Linsenmaske
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- **Channel 1: Lighting**
- Colour: Opal matt

SCALE DRAWING

Accessories (detailed on page 246 - 271)

PD-CE360/8 slave opal matt	EP10510748	4015120510748
PD-CE360/24 slave opal matt	EP10510755	4015120510755
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
RC filter/snubber	EP10426988	4015120426988

FIELD OF DETECTION

Operating area approx. Ø 8 m
Head-on to detector approx. Ø 11 m
Passage area / diagonally to detector approx. Ø 24 m

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

PRESENCE DETECTORS
COMPACT MINI SERIES

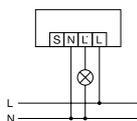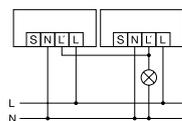| Product designation	MD-C360i/6 mini	MD-C360i/8 mini	MD-C360i/12 mini
Item number	EP10425851	EP10426001	EP10426018
Fixed lead 3m	-	EP10427008	-
Mains voltage	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz
Field of detection	360°	360°	360°
Range (Ø in m)	6	8	12
Rec. installation height	3	3	3
Rec. Max. mounting height	5	5	5
Installation type	Recessed ceiling mounting, wall mounting*	Recessed ceiling mounting	Recessed ceiling mounting
Protection type	IP 65	IP 55	IP 55
Orientation light	-	-	-
Number of parallel switchable detectors	10	10	10
Slave input	no	no	no
Max. number of slave detectors	-	-	-
Channel 1: Lighting			
Interface	Switching	Switching	Switching
Contact	make contact/non-floating	make contact/non-floating	make contact/non-floating
Switching capacity channel 1	230 V AC/50 Hz 690 W/3 A (cos phi = 1), 345 VA/1.5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
In-rush current	30 A / 20 ms	800 A/200 µs	800 A/200 µs
Control output	-	-	-
Switch input	no	yes	yes
Orientation light	-	-	-
fully automatic	yes	yes	yes
Semi-automatic	-	-	-
Impulse feature	yes	yes	yes
SEE PAGE	**124**	**125**	**126**

* Switch manufacturer accessory

	PD-C360i/6 mini	PD-C360i/8 mini	PD-C360i/12 mini	PD-C360i/8 mini DIM	PD-C360i/12 mini DIM
	EP10425868	EP10426025	EP10426032	EP10426049	EP10426056
	-	EP10427015	EP10427022	-	-
	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz
	360°	360°	360°	360°	360°
	6	8	12	8	12
	3	3	3	3	3
	5	5	5	5	5
	Recessed ceiling mounting, wall mounting*	Recessed ceiling mounting	Recessed ceiling mounting	Recessed ceiling mounting	Recessed ceiling mounting
	IP 65	IP 55	IP 55	IP 55	IP 55
	-	-	-	10 % luminous efficiency	10 % luminous efficiency
	10	-	-	-	-
	no	yes	yes	yes	yes
	-	10	10	10	10

	Switching	Switching	Switching	switching/dimming	switching/dimming
	make contact/non-floating	make contact/non-floating	make contact/non-floating	make contact/non-floating	make contact/non-floating
	230 V AC/50 Hz 690 W/3 A (cos phi = 1), 345 VA/1.5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
	30 A / 20 ms	800 A/200 µs	800 A/200 µs	800 A/200 µs	800 A/200 µs
	-	-	-	1 - 10 V DC / 10 mA	1 - 10 V DC / 10 mA
	no	yes	yes	yes	yes
	-	-	-	10 % luminous efficiency	10 % luminous efficiency
	yes	yes	yes	yes	yes
	yes	yes	yes	yes	yes
	yes	yes	yes	yes	yes
	127	**128**	**129**	**130**	**131**

MD-C360i/6 MINI

Order description	Order no.	EAN no.

230 V ~ | **Ø 6 m** | **360°** | **c1 ☼** | IP 65 | **IR)))** | **blue mode**

- Mini motion detector with 360° field of detection for recessed ceiling and wall mounting
- range of up to 6 m in diameter for use in small rooms, passageways, toilets, small offices and hallways with natural lighting
- Default settings ensure immediate operability

	Order description	Order no.	EAN no.
	MD-C360i/6 mini opal-matt	EP10425851	4015120425851

SCALE DRAWING
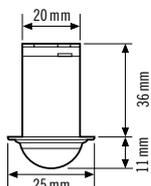
20 mm
36 mm
11 mm
25 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: 0.2 W
- Setting options: electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 65
- Protection class: II
- Installation type: Recessed ceiling mounting, wall mounting (switch manufacturer accessory)
- Housing material: UV-stabilised PE
- Approx. dimensions: Height 47 mm, Ø 25 mm
- Installation dimension: Installation depth [mm] 36 mm, Installation hole size Ø 20 mm
- Supply line: 20 cm, 3 x 0.75 single conductor
- Included in delivery: includes lens mask, spring installation clips, clamping installation ring
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°

- Range: approx. 6 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC/50 Hz
  690 W/3 A (cos phi = 1),
  345 VA/1.5 A (cos phi = 0.5)
- In-rush current: 30 A / 20 ms
- Switch input: no
- Switch-off delay time: impulse/approx. 1 minute – 15 minutes
- Colour: Opal matt
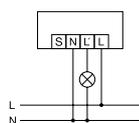

FIELDS OF DETECTION

3,00 m

360°

Ø 2,5 m

Ø 6 m

■ Head-on to detector approx. Ø 2.5 m

□ Passage area / diagonally to detector approx. Ø 6 m

Accessories (detailed on page 246 - 271)
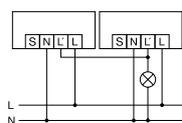
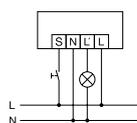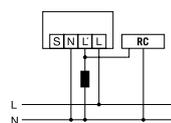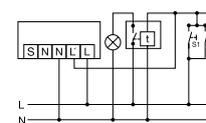| Accessories	Order no.	EAN no.
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Spotlight adapter 51/20, opal matt	EP10426384	4015120426384
SRM-230V relay module, white	EP10426346	4015120426346
ILR-230V current-limiting module, white	EP10426353	4015120426353
RC filter/snubber	EP10426988	4015120426988

CIRCUIT DIAGRAMS
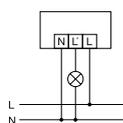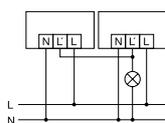
Standard operation
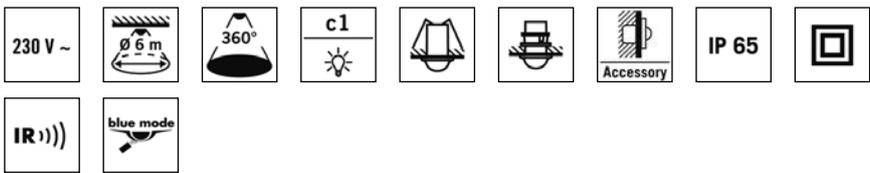
A maximum of 10 devices can be connected in parallel.
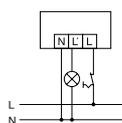
Standard operation with additional control by means of a switch. If required, the light can be manually switched on or off with the button.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

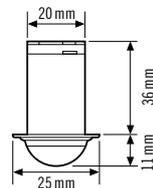Parallel connection with automatic stairwell light.

Order description	Order no.	EAN no.	**MD-C360i/8 MINI**
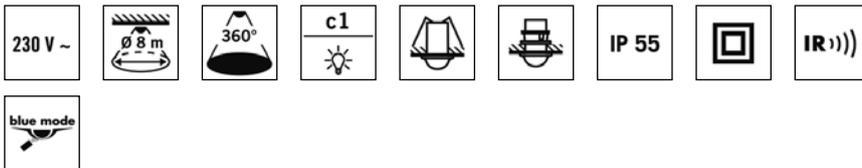
230 V ~ | Ø 8 m | 360° | c1 | IP 55 | IR))

blue mode

- Mini motion detector with 360° field of detection for recessed ceiling mounting
- range of up to 8 m across at a recommended installation height of 3 m (maximum installation height 5 m) for use in small rooms and passageways with no or little natural lighting
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

MD-C360i/8 mini opal matt	EP10426001	4015120426001
MD-C360i/8 mini-3m opal-matt	EP10427008	4015120427008

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: 0.2 W
- Setting options: electronically by infrared Mobil-PDi DUO/MDi remote control (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 55
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised PE, UV-stabilised polycarbonate
- Approx. dimensions: Height 60 mm, Ø 33 mm
- Installation dimension: Installation depth [mm] 45 mm, Installation hole size Ø 25 mm
- Supply line: 60 cm, 4 x 1.00 mm²
- MD-C360i/8 mini-3m: Supply line: 300 cm, 4 x 1.00 mm²
- Included in delivery: includes lens mask, spring installation clips, clamping installation ring
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°

- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 15 minutes
- Colour: Opal matt

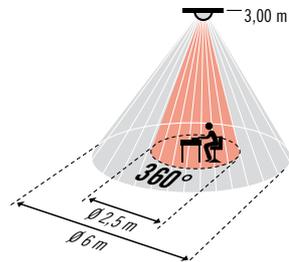## SCALE DRAWING

25 mm
45 mm
15 mm
33 mm

Accessories (detailed on page 246 - 271)

|		
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
WMB for MD-C/PD-C 8 mini	EP10427527	4015120427527
Spotlight adapter 51/25, opal matt	EP10426391	4015120426391
SRM-230V relay module, white	EP10426346	4015120426346
ILR-230V current-limiting module, white	EP10426353	4015120426353
RC filter/snubber	EP10426988	4015120426988

FIELDS OF DETECTION

3,00 m
360°
Ø 4 m
Ø 8 m

Head-on to detector approx. Ø 4 m

Passage area / diagonally to detector approx. Ø 8 m

Note: a max. of 10 devices can be connected parallel. The max. line length should not exceed 100 m.

CIRCUIT DIAGRAMS

Standard operation

A maximum of 10 devices can be connected in parallel.

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Parallel connection with automatic stairwell light.

MD-C360i/12 MINI

Order description	Order no.	EAN no.
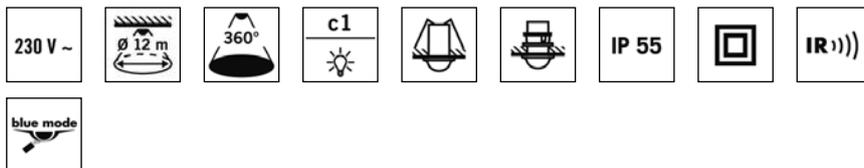
230 V ~ | **Ø 12 m** | **360°** | **c1** | | | **IP 55** | | **IR))**

blue mode

- Mini motion detector with 360° field of detection for recessed ceiling mounting
- range of up to 12 m across at a recommended installation height of 3 m (maximum installation height 5 m) for use in larger rooms and passageways with no or little natural lighting
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

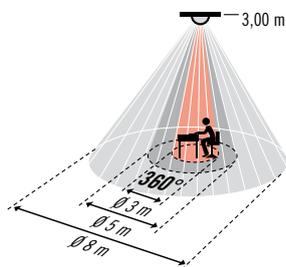|			
4 015120 426018	MD-C360i/12 mini opal matt	EP10426018	4015120426018

SCALE DRAWING

25 mm
45 mm
25 mm
58 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: 0.2 W
- Setting options: electronically by infrared Mobil-PDi DUO/MDi remote control (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 55
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised PE, UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm, Ø 58 mm
- Installation dimension: Installation depth 45 mm, Installation hole size Ø 25 mm
- Supply line: 60 cm, 4 x 1.00 mm²
- Included in delivery: includes lens mask, spring installation clips, clamping installation ring
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 12 m in Ø, at an installation height of 3 m to 5 m

- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 15 minutes
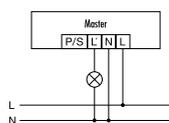- Colour: Opal matt

FIELD OF DETECTION

3,00 m
360°
Ø 6 m
Ø 12 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 12 m
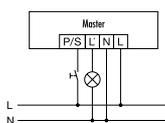
Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Spotlight adapter 51/25, opal matt	EP10426391	4015120426391
SRM-230V relay module, white	EP10426346	4015120426346
ILR-230V current-limiting module, white	EP10426353	4015120426353
RC filter/snubber	EP10426988	4015120426988

Note: a max. of 10 devices can be connected parallel. The max. line length should not exceed 100 m.

CIRCUIT DIAGRAMS

Standard operation

A maximum of 10 devices can be connected in parallel.

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Parallel connection with automatic stairwell light.

Order description	Order no.	EAN no.	**PD-C360i/6 MINI**

230 V ~ | Ø 6 m | 360° | c1 ☼ | | | Accessory | IP 65 | ▫

IR))) | blue mode

- Mini presence detector with 360° field of detection for recessed ceiling and wall mounting
- range of up to 6 m in diameter for use in small rooms, passageways, toilets, small offices, hallways
- New universal ESYLUX fastening technology for quick installation in ceilings, brand switch frames, lights, recessed boxes and cupboards, for example
- Default settings ensure immediate operability

PD-C360i/6 mini opal matt	EP10425868	4015120425868	4 015120 425868

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: electronically by infrared Mobil-PDi DUO/MDi remote control (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 65
- Protection class: II
- Installation type: Recessed ceiling mounting, wall mounting (switch manufacturer accessory)
- Housing material: UV-stabilised PE
- Approx. dimensions: Height 47 mm, Ø 25 mm
- Installation dimension: Installation depth 36 mm, Installation hole size Ø 20 mm
- Supply line: 20 cm, 3 x 0.75 mm² single conductor
- Included in delivery: includes lens mask, spring installation clips, clamping installation ring
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Approx. power consumption: 0.2 W
- Field of detection: 360°

- Range: approx. 6 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC/50 Hz
  690 W/3 A (cos phi = 1),
  345 VA/1.5 A (cos phi = 0.5)
- In-rush current: 30 A / 20 ms
- Switch input: no
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: Opal matt

SCALE DRAWING

20 mm · 36 mm · 11 mm · 25 mm

Accessories (detailed on page 246 - 271)

• Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Spotlight adapter 51/20, opal matt	EP10426384	4015120426384
• SRM-230V relay module, white	EP10426346	4015120426346
• ILR-230V current-limiting module, white	EP10426353	4015120426353
• RC filter/snubber	EP10426988	4015120426988

FIELD OF DETECTION

3,00 m · 360° · Ø 2,5 m · Ø 6 m

Operating area approx. Ø 2.5 m

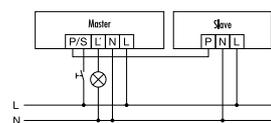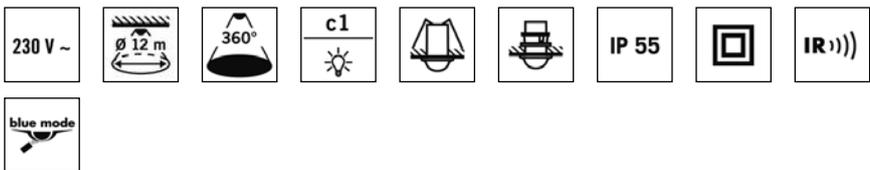Passage area / diagonally to detector approx. Ø 6 m

CIRCUIT DIAGRAMS
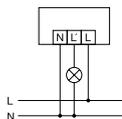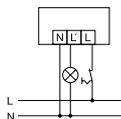
Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with a button.
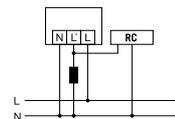
An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Note: The parallel connection of two or more presence detectors is not possible.

PD-C360i/8 MINI

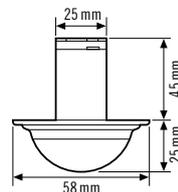| Order description	Order no.	EAN no.
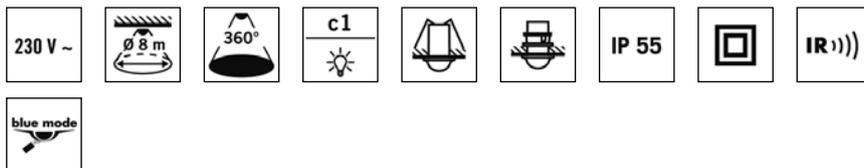
- Mini presence detector with 360° field of detection for recessed ceiling mounting
- range of up to 8 m in diameter
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

	Order description	Order no.	EAN no.
	PD-C360i/8 mini opal matt	EP10426025	4015120426025
	PD-C360i/8 mini-3m opal-matt	EP10427015	4015120427015

SCALE DRAWING
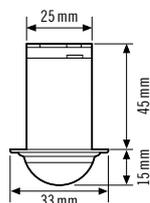
25 mm
45 mm
15 mm
33 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: 0.2 W
- Setting options: electronically by infrared Mobil-PDi DUO/MDi remote control (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 55
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised PE, UV-stabilised polycarbonate
- Approx. dimensions: Height 60 mm, Ø 33 mm
- Installation dimension: Installation depth 45 mm, Installation hole size Ø 25 mm
- Supply line: 60 cm, 4 x 1.00 mm²
- PD-C360i/8 mini-3m: Supply line: 300 cm, 4 x 1.00 mm²
- Included in delivery: includes lens mask, spring installation clips, clamping installation ring
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°

- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
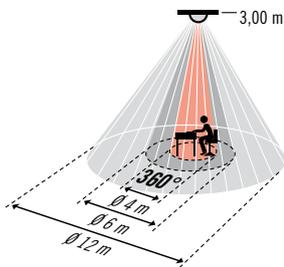- Colour: Opal matt

FIELD OF DETECTION

3,00 m
360°
Ø 3 m
Ø 5 m
Ø 8 m

Operating area approx. Ø 3 m

Head-on to detector approx. Ø 5 m

Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

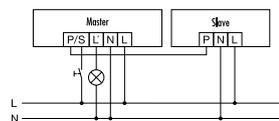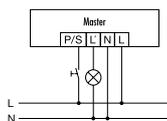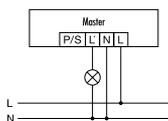|			
•	PD-C360/8 mini slave opal matt	EP10426063	4015120426063
•	PD-C360/12 mini slave opal matt	EP10426070	4015120426070
•	Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
•	Mobil-PDi/MDi-universal white	EP10433993	4015120433993
•	Spotlight adapter 51/25, opal matt	EP10426391	4015120426391
•	SRM-230V relay module, white	EP10426346	4015120426346
•	ILR-230V current-limiting module, white	EP10426353	4015120426353
•	RC filter/snubber	EP10426988	4015120426988

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

Order description	Order no.	EAN no.	**PD-C360i/12 MINI**

- Mini presence detector with 360° field of detection for recessed ceiling mounting
- range of up to 12 m in diameter for use in larger rooms, passageways, offices and hallways with natural lighting
- 16 A high-performance relay (tungsten pre-contact)
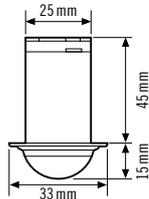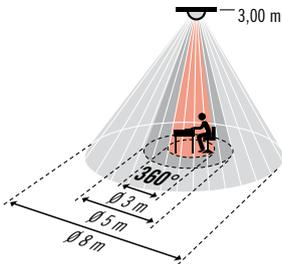- Default settings ensure immediate operability

PD-C360i/12 mini opal matt	EP10426032	4015120426032
PD-C360i/12 mini-3m opal-matt	EP10427022	4015120427022

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: electronically by infrared Mobil-PDi DUO/MDi remote control (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 55
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised PE, UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm, Ø 58 mm
- Installation dimension: Installation depth [mm] 45 mm, Installation hole size Ø 25 mm
- Supply line: 60 cm, 4 x 1.00 mm²
- PD-C360i/12 mini-3m: Supply line: 300 cm, 4 x 1.00 mm²
- Included in delivery: includes lens mask, spring installation clips, clamping installation ring
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Approx. power consumption: 0.2 W
- Field of detection: 360°

- Range: approx. 12 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: Opal matt

SCALE DRAWING

Accessories (detailed on page 246 - 271)

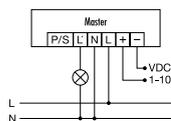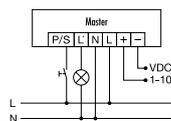|		
PD-C360/8 mini slave opal matt	EP10426063	4015120426063
PD-C360/12 mini slave opal matt	EP10426070	4015120426070
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Spotlight adapter 51/25, opal matt	EP10426391	4015120426391
SRM-230V relay module, white	EP10426346	4015120426346
ILR-230V current-limiting module, white	EP10426353	4015120426353
RC filter/snubber	EP10426988	4015120426988

FIELDS OF DETECTION

- Operating area approx. Ø 4 m
- Head-on to detector approx. Ø 6 m
- Passage area / diagonally to detector approx. Ø 12 m

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.
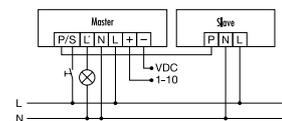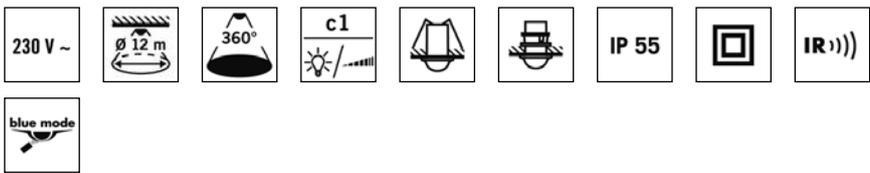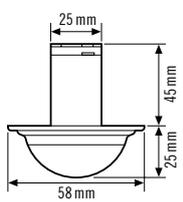
CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

PD-C360i/8 MINI DIM

Order description	Order no.	EAN no.

230 V ~ | Ø 8 m | 360° | c1 | | | IP 55 | | IR))

blue mode

- Mini presence detector with 360° field of detection for recessed ceiling mounting
- range of up to 8 m in diameter for use in small rooms, passageways, small offices and hallways with natural lighting
- Automatic light control to a constant brightness level, depending on presence and natural light (1 - 10 V DC interface)
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

4 015120 426049	PD-C360i/8 mini DIM opal matt	EP10426049	4015120426049

SCALE DRAWING

25 mm
45 mm
15 mm
33 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: 0.2 W
- Setting options: electronically by infrared Mobil-PDi/plus, Mobil-PDi/User, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 55
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised PE, UV-stabilised polycarbonate
- Approx. dimensions: Height 60 mm, Ø 33 mm
- Installation dimension: Installation depth 45 mm, Installation hole size Ø 25 mm
- Supply line: 60 cm, 4 x 1.00 mm²/2 x 0.5 mm²
- Included in delivery: includes lens mask, spring installation clips, clamping installation ring
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m

- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: switching/dimming
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: approx. 1 minute – 30 minutes
- Control output: 1 - 10 V =/10 mA
- Orientation light: 10 % luminous efficiency
- Switch-off delay time, orientation light: approx. 1 minute – 60 minutes
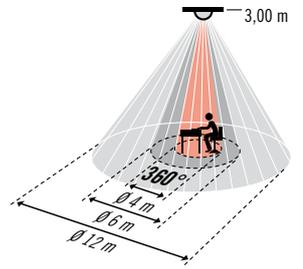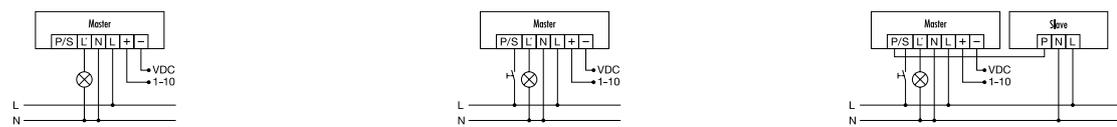- Colour: Opal matt

FIELD OF DETECTION

3,00 m
360°
Ø 3 m
Ø 5 m
Ø 8 m

Operating area approx. Ø 3 m

Head-on to detector approx. Ø 5 m

Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

PD-C360/8 mini slave opal matt	EP10426063	4015120426063
PD-C360/12 mini slave opal matt	EP10426070	4015120426070
Mobil-PDi/plus silver/metallic green	EM10425530	4015120425530
Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Spotlight adapter 51/25, opal matt	EP10426391	4015120426391
SRM-230V relay module, white	EP10426346	4015120426346
RC filter/snubber	EP10426988	4015120426988

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Master	Master	Master	Slave
P/S L N L + –	P/S L N L + –	P/S L N L + –	P N L
VDC 1–10	VDC 1–10	VDC 1–10	

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

Order description	Order no.	EAN no.	**PD-C360i/12 MINI DIM**

230 V ~ | Ø 12 m | 360° | c1 ☼/▁▂▃ | △ | ⬓ | IP 55 | ▣ | IR)))

blue mode

- Mini presence detector with 360° field of detection for recessed ceiling mounting
- Range of up to 12 m in diameter for use in larger rooms, passageways, offices and hallways with natural lighting
- Automatic light control to a constant brightness level depending on presence and natural light (1 - 10 V DC interface)
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

PD-C360i/12 mini DIM opal matt	EP10426056	4015120426056	4 015120 426056

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: electronically by infrared Mobil-PDi/plus, Mobil-PDi/User, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 55
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised PE, UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm, Ø 58 mm
- Installation dimension: Installation depth 45 mm, Installation hole size Ø 25 mm
- Supply line: 60 cm, 4 x 1.00 mm²/2 x 0.5 mm²
- Included in delivery: includes lens mask, spring installation clips, clamping installation ring
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Approx. power consumption: 0.2 W
- Field of detection: 360°
- Range: approx. 12 m in Ø, at an installation height of 3 m to 5 m

- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: switching/dimming
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch input: yes
- Switch-off delay time: approx. 1 minute – 30 minutes
- Control output: 1 - 10 V =/10 mA
- Orientation light: 10 % luminous efficiency
- Switch-off delay time, orientation light: approx. 1 minute – 60 minutes
- Colour: Opal matt

SCALE DRAWING

25 mm
45 mm
25 mm
58 mm

Accessories (detailed on page 246 - 271)

• PD-C360/8 mini slave opal matt	EP10426063	4015120426063
• PD-C360/12 mini slave opal matt	EP10426070	4015120426070
• Mobil-PDi/plus silver/metallic green	EM10425530	4015120425530
• Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Spotlight adapter 51/25, opal matt	EP10426391	4015120426391
• SRM-230V relay module, white	EP10426346	4015120426346
• ILR-230V current-limiting module, white	EP10426353	4015120426353
• RC filter/snubber	EP10426988	4015120426988

FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 12 m

▦ Operating area approx. Ø 4 m

▦ Head-on to detector approx. Ø 6 m

▦ Passage area / diagonally to detector approx. Ø 12 m

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Master
P/S L N L + −
VDC
1–10
L
N

Standard operation

Master
P/S L N L + −
VDC
1–10
L
N

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master | Slave
P/S L N L + − | P N L
VDC
1–10
L
N

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

PD-C360/8 MINI SLAVE

Order description	Order no.	EAN no.

230 V ~ | **Ø 8 m** | **360°** | | | **IP 55** |

- „Slave" presence detector for extending the field of detection of a „master" presence detector with 360° field of detection for ceiling mounting
- Range of up to 8 m in diameter as a cost efficient system upgrade with up to 10 additional extensions
- „Slave" detector can be connected to the following models:
- PD-C360i/8 mini / PD-C360i/8 mini-3m / PD-C360i/8 mini DIM
- PD-C360i/12 mini / PD-C360i/12 mini DIM

	Order description	Order no.	EAN no.
	PD-C360/8 mini slave opal matt	EP10426063	4015120426063

SCALE DRAWING

25 mm
45 mm
15 mm
33 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: 0.2 W
- Setting options: electronically by infrared Mobil-PDi/plus, Mobil-PDi/User, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 55
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised PE, UV-stabilised polycarbonate
- Approx. dimensions: Height 60 mm, Ø 33 mm
- Installation dimension: Installation depth 45 mm, Installation hole size Ø 25 mm
- Supply line: 60 cm, 3 x 1.00 mm²
- Included in delivery: includes lens mask, spring installation clips, clamping installation ring
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m

- **Channel 1: Presence**
- Colour: Opal matt

FIELD OF DETECTION

3,00 m
360°
Ø 3 m
Ø 5 m
Ø 8 m

- Operating area approx. Ø 3 m
- Head-on to detector approx. Ø 5 m
- Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

	Order no.	EAN no.
PD-C360i/8 mini opal matt	EP10426025	4015120426025
PD-C360i/8 mini-3m opal-matt	EP10427015	4015120427015
PD-C360i/12 mini opal matt	EP10426032	4015120426032
PD-C360i/12 mini-3m opal-matt	EP10427022	4015120427022
PD-C360i/8 mini DIM opal matt	EP10426049	4015120426049
PD-C360i/12 mini DIM opal matt	EP10426056	4015120426056
Spotlight adapter 51/25, opal matt	EP10426391	4015120426391

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

Order description	Order no.	EAN no.	**PD-C360/12 MINI SLAVE**

230 V ~	Ø 12 m	360°			IP 55	

- „Slave" presence detector for extending the field of detection of a „master" presence detector with 360° field of detection for ceiling mounting
- Range of up to 12 m in diameter as a cost efficient system upgrade with up to 10 additional extensions
- „Slave" detector can be connected to the following models:
- PD-C360i/8 mini / PD-C360i/8 mini-3m / PD-C360i/8 mini DIM
- PD-C360i/12 mini / PD-C360i/12 mini DIM

PD-C360/12 mini slave opal matt	EP10426070	4015120426070	

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: 0.2 W
- Setting options: electronically by infrared Mobil-PDi/plus, Mobil-PDi/User, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 55
- Protection class: II
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised PE, UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm, Ø 58 mm
- Installation dimension: Installation depth 45 mm, Installation hole size Ø 25 mm
- Supply line: 60 cm, 3 x 1.00 mm²
- Included in delivery: includes lens mask, spring installation clips, clamping installation ring
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 12 m in Ø, at an installation height of 3 m to 5 m

- **Channel 1: Presence**
- Colour: Opal matt

SCALE DRAWING

25 mm
45 mm
25 mm
58 mm

Accessories (detailed on page 246 - 271)

• PD-C360i/8 mini opal matt	EP10426025	4015120426025
• PD-C360i/8 mini-3m opal-matt	EP10427015	4015120427015
• PD-C360i/12 mini opal matt	EP10426032	4015120426032
• PD-C360i/12 mini-3m opal-matt	EP10427022	4015120427022
• PD-C360i/8 mini DIM opal matt	EP10426049	4015120426049
• PD-C360i/12 mini DIM opal matt	EP10426056	4015120426056
• Spotlight adapter 51/25, opal matt	EP10426391	4015120426391

FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 12 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 12 m

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

PRESENCE / MOTION DETECTORS
FLAT SERIES

Product designation		MD-FLAT 360i/8	MD-FLAT 360i/8	MD-FLAT-E 360i/8
Item number	White, plastic	EP10427886	-	EP10428548
	Black, plastic	-	EP10427893	-
	Grey, plastic	EP10428029	-	-
	White, glass	-	-	-
	Black, glass	-	-	-
	Grey, glass	EP10428043	-	-
Mains voltage		230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz
Field of detection		360°	360°	360°
Range (Ø in m)		8	8	8
Rec. installation height		3	3	3
Rec. Max. mounting height		5	5	5
Installation type		Ceiling mounting, recessed ceiling mounting, ceiling and wall mounting	Ceiling mounting, recessed ceiling mounting, ceiling and wall mounting	Ceiling mounting, recessed ceiling mounting, ceiling and wall mounting
Fixed cable		-	-	-
Protection type		IP 20	IP 20	IP 20
Special product features		Zero-cross switching	Zero-cross switching	Zero-cross switching
Number of parallel switchable detectors		10	10	10
Slave input		no	no	no
Channel 1: Lighting				
Interface		Switching	Switching	Switching
Contact		make contact/non-floating	make contact/non-floating	make contact/non-floating
Switching capacity channel 1		230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 1150 VA/5 A (cos phi; =0.5)	230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 1150 VA/5 A (cos phi; =0.5)	230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 1150 VA/5 A (cos phi; =0.5)
In-rush current		78 A / 5 ms	78 A / 5 ms	78 A / 5 ms
Switch input		yes	yes	yes
fully automatic		yes	yes	yes
Semi-automatic		yes	yes	yes
Impulse feature		yes	yes	yes
SEE PAGE		**136 - 139**	**138**	**140**

MD-FLAT-E 360i/8 GST	PD-FLAT 360i/8	PD-FLAT 360i/8	PD-FLAT-E 360i/8	PD-FLAT-E 360i/8 GST
EP10427862	EP10427930	EP10427923	EP10428555	EP10427879
-	EP10427954	EP10427947	-	-
-	EP10428036	-	-	-
-	EP10427961	EP10427985	-	-
-	EP10427978	EP10427992	-	-
-	EP10428050	-	-	-
230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz
360°	360°	360°	360°	360°
8	8	8	8	8
3	3	3	3	3
5	5	5	5	5
Ceiling mounting, recessed ceiling mounting, ceiling and wall mounting	Ceiling mounting, recessed ceiling mounting, ceiling and wall mounting	Ceiling mounting, recessed ceiling mounting, ceiling and wall mounting	Ceiling mounting, recessed ceiling mounting, ceiling and wall mounting	Ceiling mounting, recessed ceiling mounting, ceiling and wall mounting
100	-	-	-	100
IP 20	IP 20	IP 20	IP 20	IP 20
Zero-cross switching	Zero-cross switching	Zero-cross switching	Zero-cross switching	Zero-cross switching
10	10	10	10	10
no	no	no	no	no

Switching	Switching	Switching	Switching	Switching
make contact/non-floating	make contact/non-floating	make contact/non-floating	make contact/non-floating	make contact/non-floating
230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 1150 VA/5 A (cos phi; =0.5)	230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 1150 VA/5 A (cos phi; =0.5)	230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 1150 VA/5 A (cos phi; =0.5)	230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 1150 VA/5 A (cos phi; =0.5)	230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 1150 VA/5 A (cos phi; =0.5)
78 A / 5 ms	78 A / 5 ms	78 A / 5 ms	78 A / 5 ms	78 A / 5 ms
yes	yes	yes	yes	yes
yes	yes	yes	yes	yes
yes	yes	yes	yes	yes
yes	yes	yes	yes	yes
141	**142 - 151**	**145 - 153**	**147**	**148**

MD-FLAT 360i/8 round white

Order description	Order no.	EAN no.

230 V ~ Ø 8 m c1 ☀ IP 20 Zubehör Accessory IP 20 ▢ IR))) blue mode

Design motion detector, range approx 8 m in diameter, 1 channel, switching, with zero-cross switching optimised for LED lamps, master/slave (parallel connection), low profile design with plastic design covers: +H1:H2: round, white - variable interchangeable (alternatively: glass, square, black)
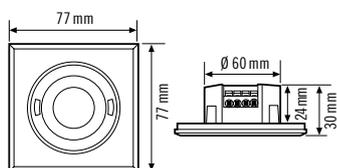
4 015120 427886	MD-FLAT 360i/8 RW	EP10427886	4015120427886

SCALE DRAWING

Ø 94 mm
Ø 60 mm
24 mm
30 mm

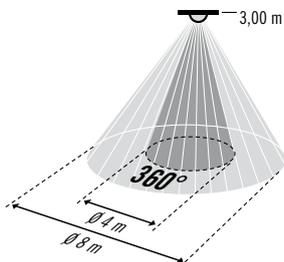### TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting, Recessed ceiling mounting, Wall and ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
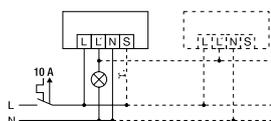- Colour: white, similar to RAL 9010

FIELDS OF DETECTION

3,00 m
360°
Ø 4 m
Ø 8 m

▣ Head-on to detector approx. Ø 4 m

▢ Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

CIRCUIT DIAGRAMS

L L N S   L L N S
10 A

Standard operation

Order description	Order no.	EAN no.	MD-FLAT 360i/8 RG

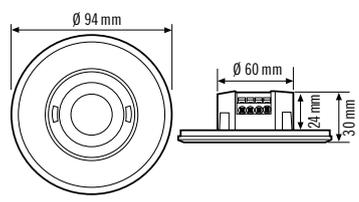230 V ~ | Ø 8 m | c1 | | Zubehör Accessory | IP 20 | | IR))) | blue mode

Design motion detector, range approx 8 m in diameter, 1 channel, switching, with zero-cross switching optimised for LED lamps, master/slave (parallel connection), low profile design with plastic design covers: +H1:H2: round, white - variable interchangeable (alternatively: glass, square, black)

MD-FLAT 360i/8 RG	EP10428029	4015120428029	4 015120 428029

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting, Recessed ceiling mounting, Wall and ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
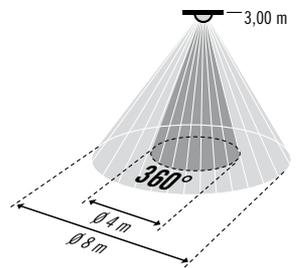- Colour: Concrete grey, similar to RAL 7023

SCALE DRAWING

Ø 94 mm

Ø 60 mm

24 mm

30 mm

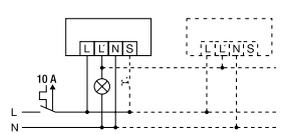## Accessories (detailed on page 246 - 271)

• Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Basket guard 165/70 white	EM10425615	4015120425615
• Basket guard 180/90 white	EM10425608	4015120425608

FIELDS OF DETECTION

3,00 m

360°

Ø 4 m

Ø 8 m

Head-on to detector approx. Ø 4 m

Passage area / diagonally to detector approx. Ø 8 m

CIRCUIT DIAGRAMS

10 A

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Standard operation

MD-FLAT 360I/8 SQUARE WHITE

| Order description | Order no. | EAN no. |

230 V ~ | Ø 8 m | c1 | | Zubehör Accessory | IP 20 | | IR))) | blue mode

Design motion detector, range approx. 8 meters in diameter, 1 channel, switching, with zero-cross switching optimised for LED lamps, master/slave (parallel connection), low profile design with plastic design covers: square, white - variably interchangeable (alternatively: glass, round, black)

| | MD-FLAT 360i/8 SW | EP10427893 | 4015120427893 |

4 015120 427893

SCALE DRAWING

77 mm

77 mm
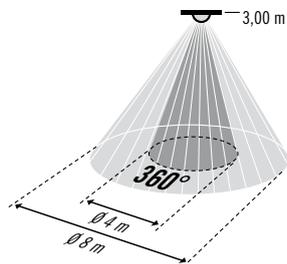
Ø 60 mm

24 mm

30 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting, Recessed ceiling mounting, Wall and ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
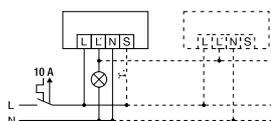- Colour: white, similar to RAL 9010

FIELDS OF DETECTION

3,00 m

360°

Ø 4 m

Ø 8 m

Head-on to detector approx. Ø 4 m

Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

CIRCUIT DIAGRAMS

L L N S | L L N S

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Standard operation

Order description	Order no.	EAN no.	**MD-FLAT 360i/8 GRG**

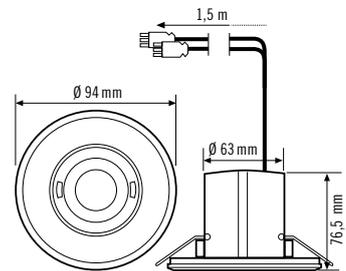| 230 V ~ | Ø 8 m | c1 | | Zubehör Accessory | | IP 20 | | IR))) |

| blue mode |

Design motion detector, range approx 8 m in diameter, 1 channel, switching, with zero-cross switching optimised for LED lamps, master/slave (parallel connection), low profile design with plastic design covers: +H1:H2: round, white - variable interchangeable (alternatively: glass, square, black)

MD-FLAT 360i/8 GRG	EP10428043	4015120428043	4 015120 428043

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting, Recessed ceiling mounting, Wall and ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
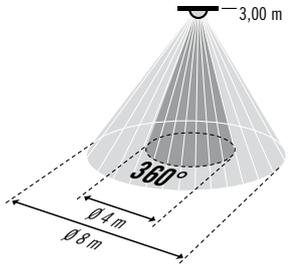- Colour: Concrete grey, similar to RAL 7023

SCALE DRAWING

Ø 94 mm
Ø 60 mm
24 mm
30 mm

Accessories (detailed on page 246 - 271)
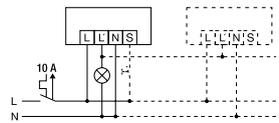
• Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Basket guard 165/70 white	EM10425615	4015120425615
• Basket guard 180/90 white	EM10425608	4015120425608

FIELDS OF DETECTION

3,00 m

360°

Ø 4 m
Ø 8 m

Head-on to detector approx. Ø 4 m

Passage area / diagonally to detector approx. Ø 8 m

CIRCUIT DIAGRAMS

10 A

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Standard operation

MD-FLAT 360i/8 ROUND WHITE

Order description	Order no.	EAN no.

230 V ~ | **Ø 8 m** | **c1** | | **Zubehör Accessory** | **IP 20** | | **IR))))** | **blue mode**

Design motion detector in set, range approx. 8 m in diameter, 1 channel, switching, with zero-cross switching optimised for LED lamps, master/slave (parallel connection), low profile design with design covers +H1:H2: round, including PD-FLAT mounting box, white — variably interchangeable (alternatively: glass, square, black)

4 015120 428548	MD-FLAT-E 360i/8 RW	EP10428548	4015120428548

SCALE DRAWING

61 mm
Ø 63 mm
Ø 94 mm
Ø 60 mm
24 mm
30 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting, Recessed ceiling mounting, Wall and ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: Lens mask and recessed ceiling mounting kit included
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: white, similar to RAL 9010

FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 8 m

Head-on to detector approx. Ø 4 m

Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

CIRCUIT DIAGRAMS

10 A
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Standard operation

Order description	Order no.	EAN no.	MD-Flat-E 360i/8 round white GST

230 V ~ Ø 8 m c1 Zubehör Accessory IP 20 IR))) blue mode

Design motion detector, range approx 8 m in diameter, 1 channel, switching, with zero-cross switching optimised for LED lamps, master/slave (parallel connection), low profile design with plastic design covers: +H1:H2: round, white - variable interchangeable (alternatively: glass, square, black), Wieland GST plug
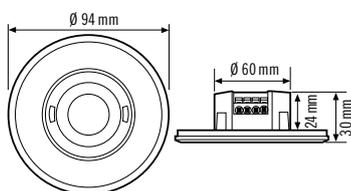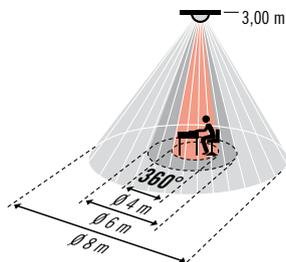
MD-FLAT-E 360i/8 RW GST	EP10427862	4015120427862

4 015120 427862

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting, Recessed ceiling mounting, Wall and ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth 75 mm, Installation hole size Ø 68
- Supply line: With 1.0 m of pre-assembled GST18i3 inlet and outlet
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: white, similar to RAL 9010

SCALE DRAWING

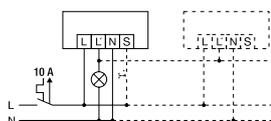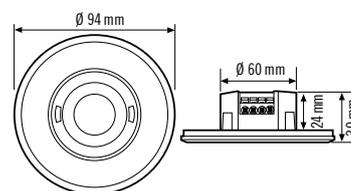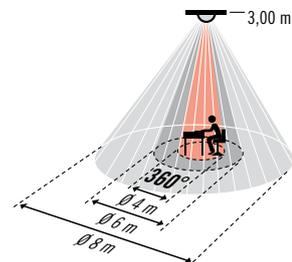
1,5 m

Ø 94 mm

Ø 63 mm

76,5 mm

Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

FIELD OF DETECTION

3,00 m

360°

Ø 4 m

Ø 8 m

■ Head-on to detector approx. Ø 4 m

□ Passage area / diagonally to detector approx. Ø 8 m

CIRCUIT DIAGRAMS

Standard operation

PD-FLAT 360I/8 ROUND WHITE

Order description	Order no.	EAN no.

230 V ~ | **Ø 8 m** | **c1** | | **Zubehör Accessory** | **IP 20** | | **IR)))** | **blue mode**

Design presence detector, range approx. 8 meters in diameter, 1 channel, switching, with zero-cross switching optimised for LED lamps, master/slave (parallel connection), low profile design with plastic design covers: round, white - variable interchangeable (alternatively: glass, square, black)

	PD-FLAT 360i/8 RW	EP10427930	4015120427930

SCALE DRAWING

Ø 94 mm
Ø 60 mm
24 mm
30 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting, Recessed ceiling mounting, Wall and ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: white, similar to RAL 9010

FIELDS OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

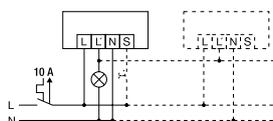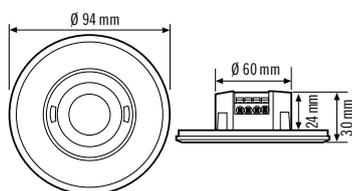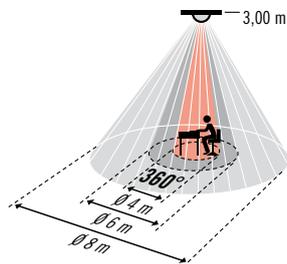### Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

CIRCUIT DIAGRAMS

10 A
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Standard operation

Order description	Order no.	EAN no.	**PD-FLAT 360I/8 ROUND BLACK**

| 230 V ~ | Ø 8 m | c1 | | Zubehör Accessory | IP 20 | | IR))) | blue mode |

Design presence detector, range approx. 8 meters in diameter, 1 channel, switching, with zero-cross switching optimised for LED lamps, master/slave (parallel connection), low profile design with plastic design covers: round, black - variably interchangeable (alternatively: glass, square, white)

PD-FLAT 360i/8 RB	EP10427954	4015120427954	4 015120 427954

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting, Recessed ceiling mounting, Wall and ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: black, similar to RAL 9004

SCALE DRAWING

Ø 94 mm · Ø 60 mm · 24 mm · 30 mm

Accessories (detailed on page 246 - 271)

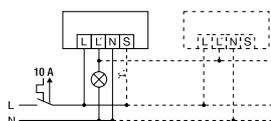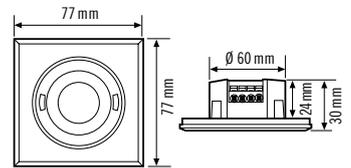|		
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

FIELD OF DETECTION

3,00 m · 360° · Ø 4 m · Ø 6 m · Ø 8 m

Operating area approx. Ø 4 m
Head-on to detector approx. Ø 6 m
Passage area / diagonally to detector approx. Ø 8 m

CIRCUIT DIAGRAMS

Standard operation

PD-FLAT 360i/8 RG

| Order description | Order no. | EAN no. |

230 V ~ | **Ø 8 m** | **c1** | | **Zubehör Accessory** | **IP 20** | | **IR))** | **blue mode**

Design motion detector, range approx 8 m in diameter, 1 channel, switching, with zero-cross switching optimised for LED lamps, master/slave (parallel connection), low profile design with plastic design covers: +H1:H2: round, white - variable interchangeable (alternatively: glass, square, black)

| | PD-FLAT 360i/8 RG | EP10428036 | 4015120428036 |

SCALE DRAWING

Ø 94 mm
Ø 60 mm
24 mm
30 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting, Recessed ceiling mounting, Wall and ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
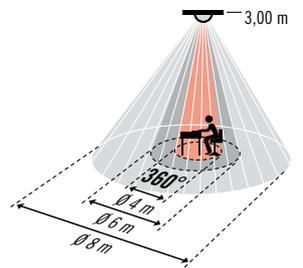- Colour: Concrete grey, similar to RAL 7023

FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m
Head-on to detector approx. Ø 6 m
Passage area / diagonally to detector approx. Ø 8 m
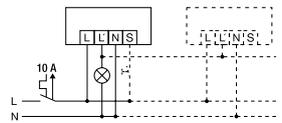
Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

CIRCUIT DIAGRAMS

10 A

Standard operation

Order description	Order no.	EAN no.	**PD-FLAT 360I/8 SQUARE WHITE**

| 230 V ~ | Ø 8 m | c1 | | Zubehör Accessory | IP 20 | | IR))) | blue mode |

Design presence detector, range approx. 8 meters in diameter, 1 channel, switching, with zero-cross switching optimised for LED lamps, master/slave (parallel connection), low profile design with plastic design covers: square, white - variably interchangeable (alternatively: glass, round, black)
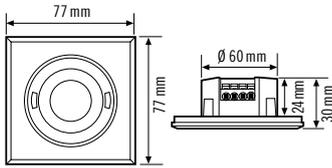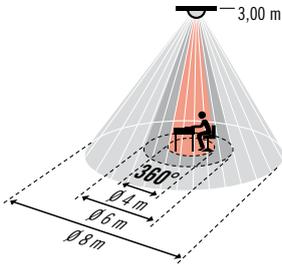
PD-FLAT 360i/8 SW	EP10427923	4015120427923	4 015120 427923

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting, Recessed ceiling mounting, Wall and ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
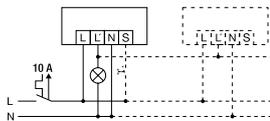- Colour: white, similar to RAL 9010

SCALE DRAWING

77 mm · 77 mm · Ø 60 mm · 24 mm · 30 mm

Accessories (detailed on page 246 - 271)

• Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Basket guard 165/70 white	EM10425615	4015120425615
• Basket guard 180/90 white	EM10425608	4015120425608

FIELDS OF DETECTION

3,00 m · 360° · Ø 4 m · Ø 6 m · Ø 8 m

■ Operating area approx. Ø 4 m
■ Head-on to detector approx. Ø 6 m
□ Passage area / diagonally to detector approx. Ø 8 m

CIRCUIT DIAGRAMS

Standard operation

PD-FLAT 360I/8 SQUARE BLACK

Order description	Order no.	EAN no.

230 V ~ | **Ø 8 m** | **c1** | | **Zubehör Accessory** | **IP 20** | | **IR))))** | **blue mode**
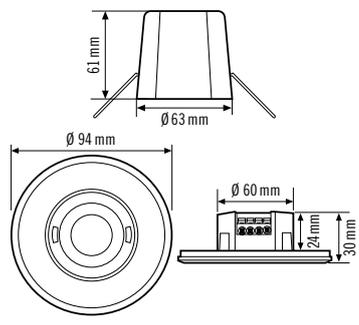
Design presence detector, range approx. 8 meters in diameter, 1 channel, switching, with zero-cross switching optimised for LED lamps, master/slave (parallel connection), low profile design with plastic design covers: square, black - variably interchangeable (alternatively: glass, round, white)

PD-FLAT 360i/8 SB	EP10427947		4015120427947

4 015120 427947

SCALE DRAWING

77 mm
77 mm
Ø 60 mm
24 mm
30 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting, Recessed ceiling mounting, Wall and ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
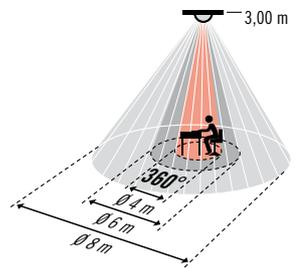- Colour: black, similar to RAL 9004

FIELDS OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

■ Operating area approx. Ø 4 m

■ Head-on to detector approx. Ø 6 m

■ Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)
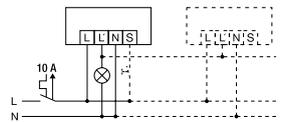
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

CIRCUIT DIAGRAMS

L L N S
L L N S
10 A
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Standard operation

Order description	Order no.	EAN no.	**PD-FLAT-E 360i/8 round white**

Design presence detector, range approx. 8 meters in diameter, 1 channel, switching, with zero-cross switching optimised for LED lamps, master/slave (parallel connection), low profile design with plastic design covers: round, including PD-FLAT mounting box, white — variably interchangeable (alternatively: glass, square, black)
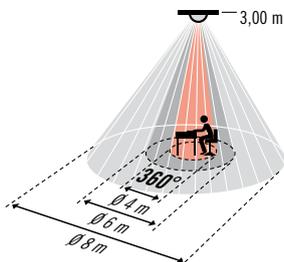
PD-FLAT-E 360i/8 RW	EP10428555	4015120428555	

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting, Recessed ceiling mounting, Wall and ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: Lens mask and recessed ceiling mounting kit included
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: white, similar to RAL 9010

SCALE DRAWING

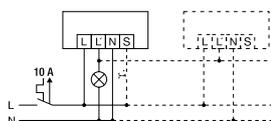61 mm
Ø 63 mm
Ø 94 mm
Ø 60 mm
24 mm
30 mm

Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

FIELDS OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

- Operating area approx. Ø 4 m
- Head-on to detector approx. Ø 6 m
- Passage area / diagonally to detector approx. Ø 8 m

CIRCUIT DIAGRAMS

10 A
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Standard operation

PD-FLAT-E 360I/8 ROUND WHITE GST

Order description	Order no.	EAN no.

230 V ~   Ø 8 m   c1   Zubehör Accessory   IP 20   IR))   blue mode
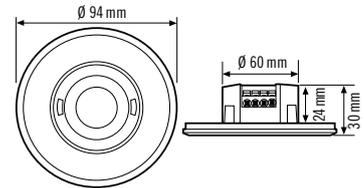
Design presence detector, range approx. 8 meters in diameter, 1 channel, switching, with zero-cross switching optimised for LED lamps, master/slave (parallel connection), low profile design with plastic design covers: round, white - variable interchangeable (alternatively: glass, square, black), Wieland GST plug

	PD-FLAT-E 360i/8 RW GST	EP10427879	4015120427879
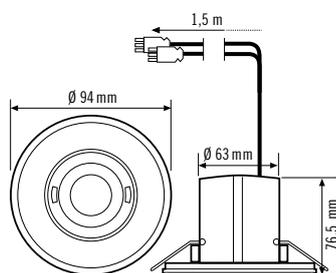
4 015120 427879

SCALE DRAWING

1,5 m

Ø 94 mm

Ø 63 mm

76,5 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting, Recessed ceiling mounting, Wall and ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 75 mm, Installation hole size Ø 68
- Supply line: With 1.0 m of pre-assembled GST18i3 inlet and outlet
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
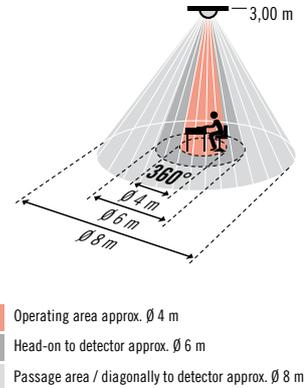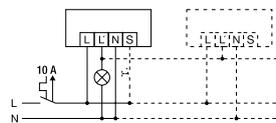- Colour: white, similar to RAL 9010

FIELDS OF DETECTION

3,00 m

360°

Ø 4 m
Ø 6 m
Ø 8 m

■ Operating area approx. Ø 4 m

■ Head-on to detector approx. Ø 6 m

■ Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

CIRCUIT DIAGRAMS

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Standard operation

Order description	Order no.	EAN no.	**PD-FLAT 360I/8 GLASS ROUND WHITE**

Design presence detector, range approx. 8 meters in diameter, 1 channel, switching, with zero-cross switching optimised for LED lamps, master/slave (parallel connection), low profile design with glass design covers: round, white - variably interchangeable (alternatively: glass, square, black)
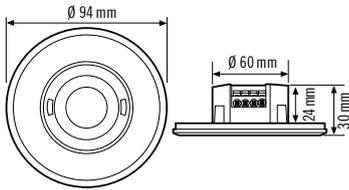
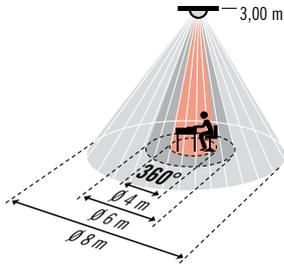| PD-FLAT 360i/8 GRW	EP10427961	4015120427961	4 015120 427961

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting, Recessed ceiling mounting, Wall and ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: white, similar to RAL 9010

SCALE DRAWING

Accessories (detailed on page 246 - 271)

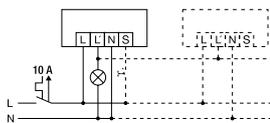|		
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

FIELDS OF DETECTION

- Operating area approx. Ø 4 m
- Head-on to detector approx. Ø 6 m
- Passage area / diagonally to detector approx. Ø 8 m

CIRCUIT DIAGRAMS

Standard operation

PD-FLAT 360I/8 GLASS ROUND BLACK

Order description	Order no.	EAN no.

230 V ~ | **Ø 8 m** | **c1** | | **Zubehör Accessory** | | **IP 20** | | **IR))**
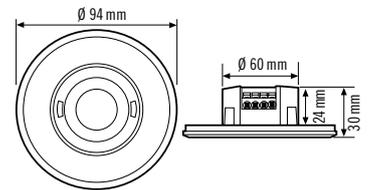
blue mode

Design presence detector, range approx. 8 meters in diameter, 1 channel, switching, with zero-cross switching optimised for LED lamps, master/slave (parallel connection), low profile design with glass design covers: round, black - variably interchangeable (alternatively: glass, square, white)

4 015120 427978	PD-FLAT 360i/8 GRB	EP10427978	4015120427978

SCALE DRAWING

Ø 94 mm

Ø 60 mm

24 mm

30 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting, Recessed ceiling mounting, Wall and ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: black, similar to RAL 9004

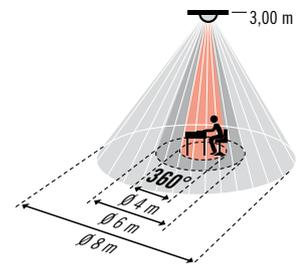### FIELD OF DETECTION

3,00 m

360°

Ø 4 m

Ø 6 m

Ø 8 m

■ Operating area approx. Ø 4 m

■ Head-on to detector approx. Ø 6 m

■ Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)
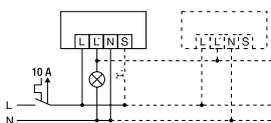
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi–universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

CIRCUIT DIAGRAMS

L L N S

L L N S

10 A

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Standard operation

Order description	Order no.	EAN no.	**PD-FLAT 360i/8 GRG**

230 V ~	Ø 8 m	c1		Zubehör Accessory		IP 20		IR)))

blue mode

Design motion detector, range approx 8 m in diameter, 1 channel, switching, with zero-cross switching optimised for LED lamps, master/slave (parallel connection), low profile design with plastic design covers: +H1:H2: round, white - variable interchangeable (alternatively: glass, square, black)
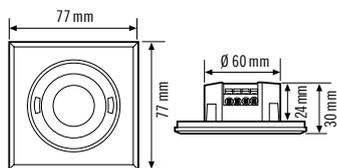
PD-FLAT 360i/8 GRG	EP10428050	4015120428050	4 015120 428050

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting, Recessed ceiling mounting, Wall and ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ; = 1), 1150 VA/5 A (cos φ; =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: Concrete grey, similar to RAL 7023

SCALE DRAWING

Ø 94 mm
Ø 60 mm
24 mm
30 mm

Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m
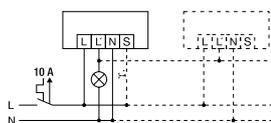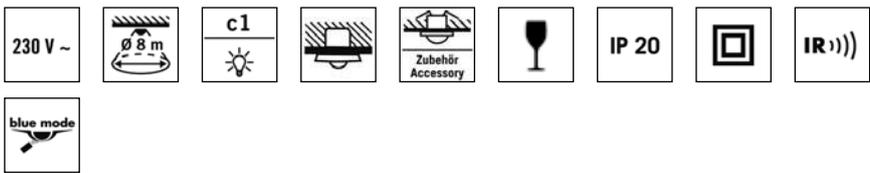
Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

CIRCUIT DIAGRAMS

10 A
L L N S
L L N S
L
N

Standard operation

PD-FLAT 360I/8 GLASS SQUARE WHITE

Order description	Order no.	EAN no.

230 V ~ | Ø 8 m | c1 | | Zubehör Accessory | | IP 20 | | IR)))
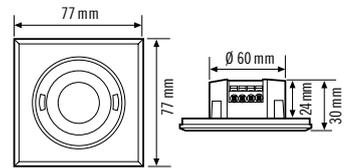
blue mode

Design presence detector, range approx. 8 meters in diameter, 1 channel, switching, with zero-cross switching optimised for LED lamps, master/slave (parallel connection), low profile design with glass design covers: square, white - variably interchangeable (alternatively: glass, round, black)

4 015120 427985	PD-FLAT 360i/8 GSW	EP10427985	4015120427985

SCALE DRAWING

77 mm
77 mm
Ø 60 mm
24 mm
30 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting, Recessed ceiling mounting, Wall and ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
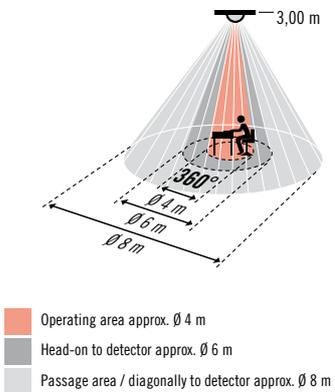- Colour: white, similar to RAL 9010

FIELDS OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

■ Operating area approx. Ø 4 m

■ Head-on to detector approx. Ø 6 m

■ Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)
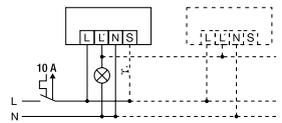
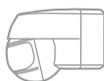|		
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

CIRCUIT DIAGRAMS

10 A
L
N

Standard operation

Order description	Order no.	EAN no.	**PD-FLAT 360I/8 GLASS SQUARE BLACK**

| 230 V ~ | Ø 8 m | c1 | | Zubehör Accessory | | IP 20 | | IR))) |

| blue mode |

Design presence detector, range approx. 8 meters in diameter, 1 channel, switching, with zero-cross switching optimised for LED lamps, master/slave (parallel connection), low profile design with glass design covers: square, black - variably interchangeable (alternatively: glass, round, white)

| PD-FLAT 360i/8 GSB | EP10427992 | 4015120427992 | |

4 015120 427992

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed ceiling mounting, Recessed ceiling mounting, Wall and ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5)
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Colour: black, similar to RAL 9004

SCALE DRAWING

77 mm

77 mm

Ø 60 mm

24 mm

30 mm

Accessories (detailed on page 246 - 271)

• Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Basket guard 165/70 white	EM10425615	4015120425615
• Basket guard 180/90 white	EM10425608	4015120425608

FIELDS OF DETECTION

3,00 m

360°

Ø 4 m

Ø 6 m

Ø 8 m

	Operating area approx. Ø 4 m
	Head-on to detector approx. Ø 6 m
	Passage area / diagonally to detector approx. Ø 8 m

CIRCUIT DIAGRAMS

10 A

L

N

Standard operation

MOTION DETECTORS
MD/MD-W SERIES

Product designation	MD 120	MD 200	MD 180 Basic	MD-W200i
Item number **white**	EM10025211	EM10025310	EM10055089	EM10041006
black	EM10025235	EM10025334	EM10055096	EM10041020
brown	EM10025228	EM10025327	-	-
Mains voltage	230 V AC/50 Hz	230 V AC/50 Hz	230 V/50 Hz	230 V AC/50 Hz
Field of detection	120° sensor horizontally rotatable +/- 90°	200° sensor horizontally rotatable +/- 90°	180°, sensor horizontally ans vertically rotatable +/- 30°	200° (2 x 100° separately adjustable)
Range [m]	12	12	12	12
Range adjustment	mechanically by tilting the motion detector head max 80°	mechanically by tilting the motion detector head max 80°	mechanically by tilting the motion detector head	mechanically with internal lens cover
Setting options	mechanically by adjusting controller	mechanically by adjusting controller	mechanically by adjusting controller	mechanically by adjusting controller, electronically by infrared Mobil-RCi-M remote control*
Rec. installation height	2.5	2.5	2,5 - 3 m	2.5
Installation type	Wall mounting, mounting on inner and outer corners possible with accessories	Wall mounting, mounting on inner and outer corners possible with accessories	Wall mounting	Wall mounting
Protection type	IP 44	IP 44	IP 44	IP 55
Special product features	One-hand plug-base	One-hand plug-base	One-hand plug-base	One-hand plug-base
Slave input	no	no	no	no
Number of parallel switchable detectors	8	8	6	8
Channel 1: Lighting				
Interface	Switching	Switching	Switching	Switching
Contact	make contact/non-floating	make contact/non-floating	make contact/non-floating	make contact/non-floating
Switching capacity channel 1	230 V AC 50 Hz, 1000 W/4.5 A (cos phi; = 1), 500 VA/2.25 A (cos phi; =0.5)	230 V AC 50 Hz, 1000 W/4.5 A (cos phi; = 1), 500 VA/2.25 A (cos phi; =0.5)	230 V/50 Hz, 1000 W/4,5 A (cos phi = 1), 500 VA/2,25 A (cos phi = 0,5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
In-rush current	30 A / 20 ms	30 A / 20 ms	40 A / 20 ms	800 A/200 µs
SEE PAGE	**155**	**156**	**157**	**158**

* order separately

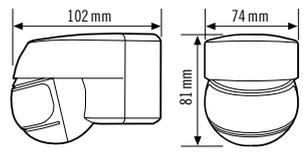| Order description	Order no.	EAN no.	MD 120
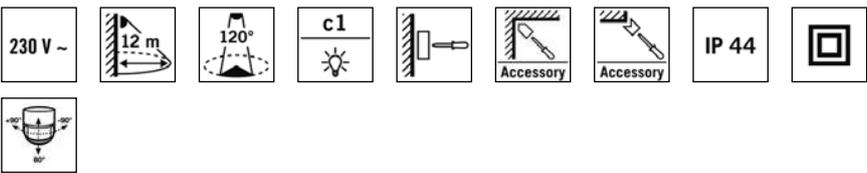
- Motion detector with 120° field of detection for convenient light switching
- Sensing and range adjustment due to revolving and tilting spherical head technology
- Special bracket for mounting on inner and outer corners, available as accessory

MD 120 white	EM10025211	4015120025211	
MD 120 black	EM10025235	4015120025235	
MD 120 brown	EM10025228	4015120025228	

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.8 W
- Setting options: mechanically by adjusting controller
- Permissible ambient temperature: -25 °C ...+55 °C
- Protection type: IP 44
- Protection class: II
- Installation type: Wall mounting, Mounting on inner and outer corners possible with accessories
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 81 mm x Width 74 mm x Length 102 mm
- Conformity: CE, RoHS
- Field of detection: 120° sensor horizontally rotatable +/- 90°
- Range: approx. 12 m, at an installation height of 2,5 m
- Range adjustment: mechanically by tilting the motion detector head max 80°
- Slave input: no
- Light value: approx. 2 - 1000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 1000 W/4.5 A (cos φ = 1), 500 VA/2.25 A (cos φ =0.5)
- In-rush current: 30 A / 20 ms
- Switch-off delay time: approx. 4 sec. - 10 mins.
- Colour: white, similar to RAL 9010

SCALE DRAWING

102 mm   74 mm   81 mm

Accessories (detailed on page 246 - 271)

• RC filter/snubber	EP10426988	4015120426988
• MD corner bracket white	EM10025518	4015120025518

FIELDS OF DETECTION

— 2,50 m

5 m

1 m

12 m

120°

20 m

Head-on to detector

Passage area / diagonally to detector

Note: the device is compatible with the automatic floodlights AF 150/200, AF 300/200 and AF 500/200.
Note: a max. of 8 devices can be connected parallel. The max. line length should not exceed 100 m.

CIRCUIT DIAGRAMS

Standard operation

A maximum of 8 devices can be connected in parallel.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Standard operation with additional continuous lighting function through external switch.

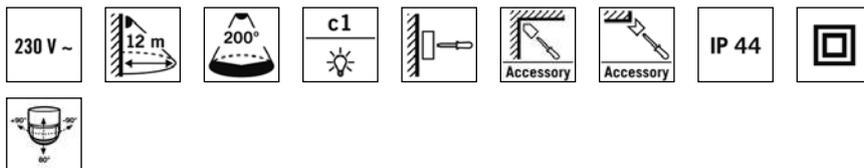Parallel connection with automatic stairwell light.

Standard operation with additional control by means of an opener button. If required, the light can be manually switched on or off with the button.

MD 200

	Order description	Order no.	EAN no.

230 V ~	12 m	200°	c1		Accessory	Accessory	IP 44	

80°

- Motion detector with 200° field of detection for convenient light switching
- Sensing and range adjustment due to revolving and tilting spherical head technology
- Special bracket for mounting on inner and outer corners, available as accessory

	Order description	Order no.	EAN no.
	MD 200 white	EM10025310	4015120025310
	MD 200 black	EM10025334	4015120025334
	MD 200 brown	EM10025327	4015120025327

SCALE DRAWING
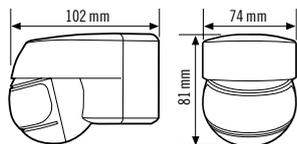
102 mm — 74 mm — 81 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: mechanically by adjusting controller
- Permissible ambient temperature: -25 °C ...+55 °C
- Protection type: IP 44
- Protection class: II
- Installation type: Wall mounting, Mounting on inner and outer corners possible with accessories
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 81 mm x Width 74 mm x Length 102 mm
- Conformity: CE, RoHS
- Approx. power consumption: < 0.8 W
- Field of detection: 200° sensor horizontally rotatable +/- 90°
- Range: approx. 12 m, at an installation height of 2,5 m
- Range adjustment: mechanically by tilting the motion detector head max 80°
- Slave input: no
- Light value: approx. 2 - 1000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz, 1000 W/4.5 A (cos φ = 1), 500 VA/2.25 A (cos φ =0.5)
- In-rush current: 30 A / 20 ms
- Switch-off delay time: approx. 4 sec. - 10 mins.
- Colour: white, similar to RAL 9010
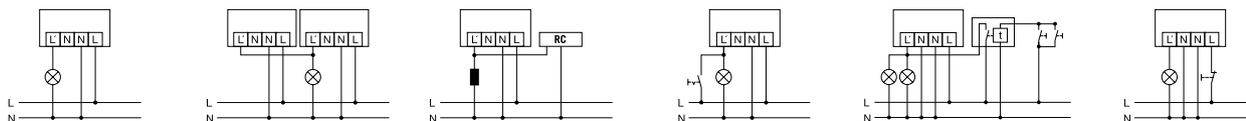
FIELDS OF DETECTION

2,50 m

5 m

12 m

200°

20 m

Head-on to detector

Passage area / diagonally to detector

Accessories (detailed on page 246 - 271)

RC filter/snubber	EP10426988	4015120426988
MD corner bracket white	EM10025518	4015120025518

Note: the device is compatible with the automatic floodlights AF 150/200, AF 300/200 and AF 500/200.
Note: a max. of 8 devices can be connected parallel. The max. line length should not exceed 100 m.

CIRCUIT DIAGRAMS

Standard operation

A maximum of 8 devices can be connected in parallel.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Standard operation with additional continuous lighting function through external switch.

Parallel connection with automatic stairwell light.

Standard operation with additional control by means of an opener button. If required, the light can be manually switched on or off with the button.
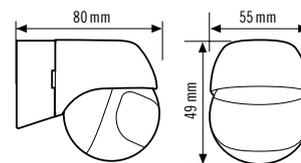
Order description	Order no.	EAN no.	**MD 180 BASIC**

- Motion detector with 180° field of detection for convenient light switching
- Sensing and range adjustment due to revolving and tilting spherical head technology

| MD 180 Basic white | EM10055089 | 4015120055089 | |
| MD 180 Basic black | EM10055096 | 4015120055096 | |

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Stand-by consumption: < 0,5 W
- Setting options: mechanically by adjusting controller
- Permissible ambient temperature: -20 °C...+40 °C
- Protection type: IP 44
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 49 mm x Width 55 mm x Lenght 80 mm
- Terminal: 1,5 mm²
- Housing material: UV-stabilised polycarbonate
- Conformity: CE, RoHS
- Nominal voltage: 230 V/ AC 50 Hz
- Switching capacity incandescent lamps: 800 W
- Switching capacity fluorescent lamps (uncompensated): 400 W
- Field of detection: 180° sensor horizontally rotatable +/- 30°
- Range: approx. 12 m, at an installation height of 2,5 m until 3 m

- Range adjustment: mechanical
- Light measurement: mixed light
- Light value: approx 5 - 1000 Lux
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V/50 Hz, 1000 W/5 A (cos phi = 1), 500 VA/2,5 A (cos phi = 0,5)
- In-rush current: 30 A / 20 ms
- Switch input: no
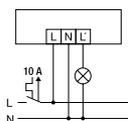- Approx. power consumption: 0,5 W
- Colour: white, similar to RAL 9010
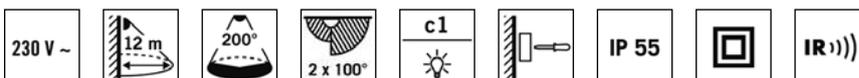
SCALE DRAWING

FIELDS OF DETECTION

Head-on to detector

Passage area / diagonally to detector
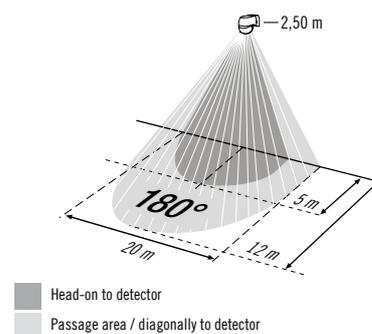
CIRCUIT DIAGRAMS

Standardbetrieb

MD-W200i

	Order description	Order no.	EAN no.

| 230 V ~ | 12 m | 200° | 2 x 100° | c1 ☀ | | IP 55 | | IR))) |

- Motion detector with 200° field of detection in modern design
- Covering cap accessories for a colourful look
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

	Order description	Order no.	EAN no.
4 015120 041006	MD-W200i white	EM10041006	4015120041006
4 015120 041020	MD-W200i black	EM10041020	4015120041020

SCALE DRAWING
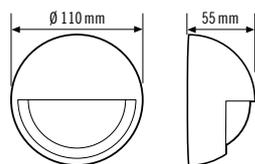
Ø 110 mm   55 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-RCi-M remote controls (order separately)
- Permissible ambient temperature: -25 °C ...+55 °C
- Protection type: IP 55
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: depth 55 mm, Ø 110 mm
- Conformity: CE, RoHS
- Approx. power consumption: < 0.3 W
- Field of detection: 200° (2 x 100° separately adjustable)
- Range: approx. 12 m, at an installation height of 2,5 m
- Range adjustment: mechanically with internal lens cover
- Slave input: no
- Light value: approx. 2 - 2000 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: 800 A / 200 µs
- Switch-off delay time: approx. 15 sec. - 16 mins.
- Colour: white, similar to RAL 9010

FIELDS OF DETECTION

2,50 m
5 m
12 m
200°
20 m

- Head-on to detector
- Passage area / diagonally to detector
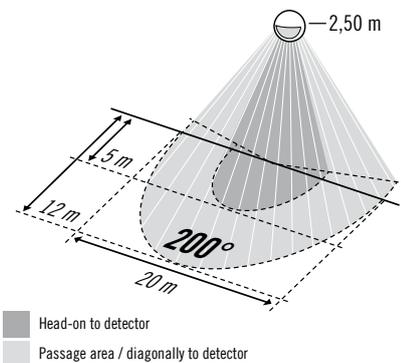
### Accessories (detailed on page 246 - 271)

Mobil-RCi-M silver	EM10016011	4015120016011
MD-W covering cap brown	EM10041105	4015120041105
MD-W covering cap black	EM10041112	4015120041112
MD-W cover cap stainless steel appearance	EM10041129	4015120041129

Note: a max. of 8 devices can be connected parallel. The max. line length should not exceed 100 m.
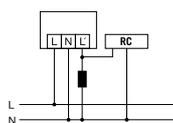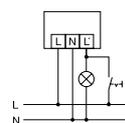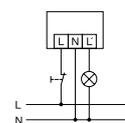
CIRCUIT DIAGRAMS
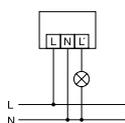
Standard operation
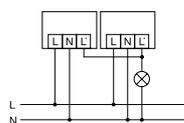
A maximum of 8 devices can be connected in parallel.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).
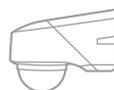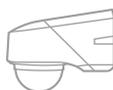
Standard operation with additional continuous lighting function through external switch.

Standard operation with additional control by means of an opener button. If required, the light can be manually switched on or off with the button.

MOTION DETECTORS
RC SERIES

Product designation	RC 130i	RC 230i	RC 280i
Item number	white	EM10015014	EM10015311	EM10015717
	black	EM10015212	EM10015519	EM10015915
	brown	EM10015113	EM10015410	EM10015816
	stainless steel appearance		EM10015618	
Mains voltage	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz
Field of detection	130° and 360° anti-creep protection	230° (2 x 115° separately adjustable) and 360° anti-creep protection	280° (3 x 95° separately adjustable) and 360° anti-creep protection
Range [m]	20	20	20
Range adjustment	electronically, mechanically, for each sensor, 1 x 130 °	electronically, mechanically, for each sensor, 2 x 115°	electronically, mechanically, for each sensor, 3 x 95°
Setting options	mechanically by adjusting controller, electronically by infrared Mobil-RCi, Mobil-RCi-M remote controls*	mechanically by adjusting controller, electronically by infrared Mobil-RCi, Mobil-RCi-M remote controls*	mechanically by adjusting controller, electronically by infrared Mobil-RCi, Mobil-RCi-M remote controls*
Rec. installation height	2.5	2.5	2.5
Installation type	Ceiling and wall mounting, mounting on inner and outer corners possible with accessories	Ceiling and wall mounting, mounting on inner and outer corners possible with accessories	Ceiling and wall mounting, mounting on inner and outer corners
Protection type	IP 54	IP 54	IP 54
Special product features	One-hand plug-base	One-hand plug-base, anti-creep protection	One-hand plug-base, anti-creep protection
Slave input	no	no	no
Number of parallel switchable detectors	8	8	8
Channel 1: Lighting			
Interface	Switching	Switching	Switching
Contact	make contact/non-floating	make contact/non-floating	make contact/non-floating
Switching capacity channel 1	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)	230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
In-rush current	Capacitive load/electronic ballasts max. in-rush current 100 A/200 µs	Capacitive load/electronic ballasts max. in-rush current 100 A/200 µs	Capacitive load/electronic ballasts max. in-rush current 100 A/200 µs
SEE PAGE	**161**	**162**	**163**

* order separately

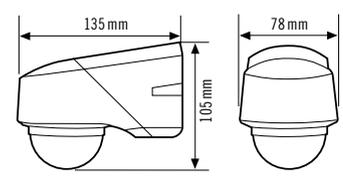| Order description	Order no.	EAN no.	RC 130i

- Motion detector with 130° field of detection and large range
- 360° anti-creep protection for unbroken coverage, can be switched off by remote control
- Default settings ensure immediate operability

RC 130i white	EM10015014	4015120015014	
RC 130i black	EM10015212	4015120015212	
RC 130i brown	EM10015113	4015120015113	

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-RCi, Mobil-RCi-M remote controls (order separately)
- Permissible ambient temperature: -25 °C ...+55 °C
- Protection type: IP 54
- Protection class: II
- Installation type: Wall and ceiling mounting, Mounting on inner and outer corners possible with accessories
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 105 mm x Width 78 mm x Length 135 mm
- Included in delivery: includes lens mask
- Approx. power consumption: < 0.3 W
- Field of detection: 130° and 360° anti-creep protection
- Range: approx. 20 m, at an installation height of 2,5 m
- Range adjustment: electronic, Mechanical, For each sensor, 1 x 130°
- Slave input: no
- Light value: approx. 2 - 2500 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: Capacitive load/electronic ballasts max. in-rush current 100 A/200 µs
- Switch-off delay time: impulse/approx. 15 sec.–30 min.
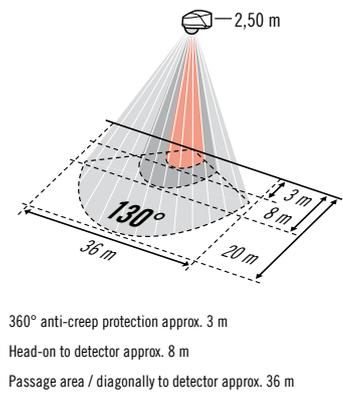- Colour: white, similar to RAL 9010

SCALE DRAWING

135 mm   78 mm   105 mm

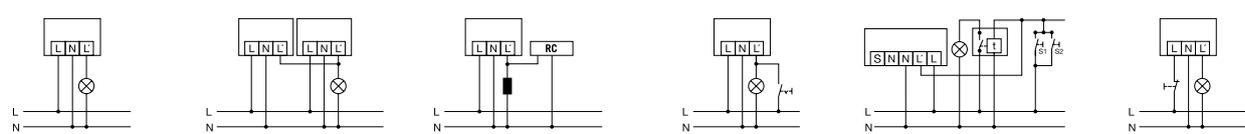## Accessories (detailed on page 246 - 271)

Mobil-RCi-M silver	EM10016011	4015120016011
Mobil-RCi silver	EM10016004	4015120016004
RC filter/snubber	EP10426988	4015120426988
RC corner bracket white	EM10016110	4015120016110

FIELD OF DETECTION

2,50 m

130°   3 m   8 m   36 m   20 m

360° anti-creep protection approx. 3 m

Head-on to detector approx. 8 m

Passage area / diagonally to detector approx. 36 m

Note: a max. of 8 devices can be connected parallel. The max. line length should not exceed 100 m.

CIRCUIT DIAGRAMS

Standard operation

A maximum of 8 devices can be connected in parallel.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Standard operation with additional continuous lighting function through external switch.

Parallel connection with automatic stairwell light

Standard operation with additional control by means of an opener button. If required, the light can be manually switched on or off with the button.

RC 230i

|	Order description	Order no.	EAN no.
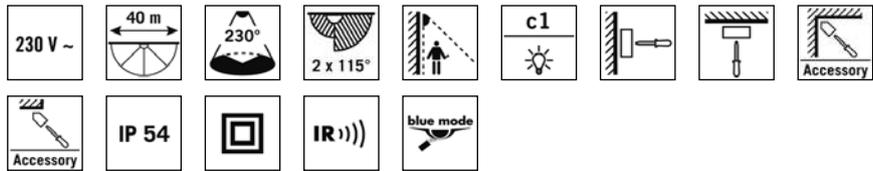
- Motion detector with 230° field of detection and large range
- 360° anti-creep protection for unbroken coverage, can be switched off by remote control
- Default settings ensure immediate operability

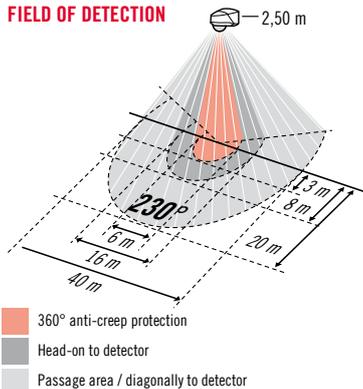|	Order description	Order no.	EAN no.
	RC 230i white	EM10015311	4015120015311
	RC 230i black	EM10015519	4015120015519
	RC 230i brown	EM10015410	4015120015410
	RC 230i stainless steel appearance	EM10015618	4015120015618

SCALE DRAWING
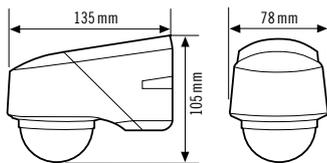
135 mm
78 mm
105 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-RCi, Mobil-RCi-M remote controls (order separately)
- Permissible ambient temperature: -25 °C ...+55 °C
- Protection type: IP 54
- Protection class: II
- Installation type: Wall and ceiling mounting, Mounting on inner and outer corners possible with accessories
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 105 mm x Width 78 mm x Length 135 mm
- Included in delivery: includes lens mask
- Field of detection: 230° (2 x 115° separately adjustable) and 360° anti-creep protection
- Range: approx. 20 m in Ø, at an installation height of 2,5 m
- Range adjustment: electronic, Mechanical, For each sensor, 2 x 115°
- Slave input: no
- Light value: approx. 2 - 2500 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: Capacitive load/electronic ballasts max. in-rush current 100 A/200 µs
- Switch-off delay time: impulse/approx. 15 sec.–30 min.
- Colour: white, similar to RAL 9010

FIELD OF DETECTION

2,50 m

230°
3 m
8 m
6 m
20 m
16 m
40 m

■ 360° anti-creep protection
■ Head-on to detector
□ Passage area / diagonally to detector

Accessories (detailed on page 246 - 271)

• Mobil-RCi-M silver	EM10016011	4015120016011
• Mobil-RCi silver	EM10016004	4015120016004
• RC filter/snubber	EP10426988	4015120426988
• RC corner bracket white	EM10016110	4015120016110

Note: a max. of 8 devices can be connected parallel. The max. line length should not exceed 100 m.

CIRCUIT DIAGRAMS

Standard operation
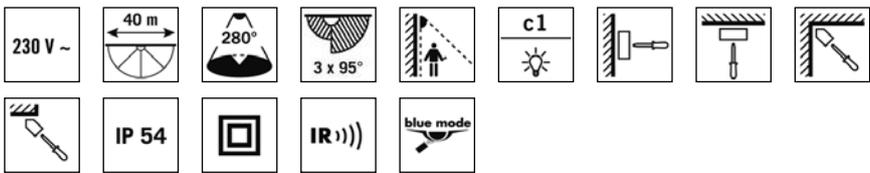
A maximum of 8 devices can be connected in parallel.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Standard operation with additional continuous lighting function through external switch.

Parallel connection with automatic stairwell light

Standard operation with additional control by means of an opener button. If required, the light can be manually switched on or off with the button.

Order description	Order no.	EAN no.	RC 280i

- Motion detector with 280° field of detection and large range
- 360° anti-creep protection for unbroken coverage, can be switched off by remote control
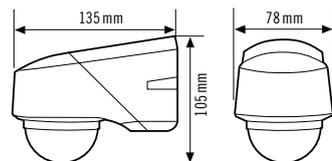- Default settings ensure immediate operability

RC 280i white	EM10015717	4015120015717	
RC 280i black	EM10015915	4015120015915	
RC 280i brown	EM10015816	4015120015816	

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-RCi, Mobil-RCi-M remote controls (order separately)
- Permissible ambient temperature: -25 °C ...+55 °C
- Protection type: IP 54
- Protection class: II
- Installation type: Wall and ceiling mounting, Mounting on inner and outer corners
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 105 mm x Width 78 mm x Length 135 mm
- Included in delivery: Including RC corner socket, including lens mask
- Approx. power consumption: < 0.3 W
- Field of detection: 280° (3 x 95° separately adjustable) and 360° anti-creep protection
- Range: approx. 20 m in Ø, at an installation height of 2,5 m
- Range adjustment: electronic, Mechanical, For each sensor, 3 x 95°
- Slave input: no
- Light value: approx. 2 - 2500 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/non-floating
- Switching capacity channel 1: 230 V AC 50 Hz (16 A relay), 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
- In-rush current: Capacitive load/electronic ballasts max. in-rush current 100 A/200 μs
- Switch-off delay time: impulse/approx. 15 sec.–30 min.
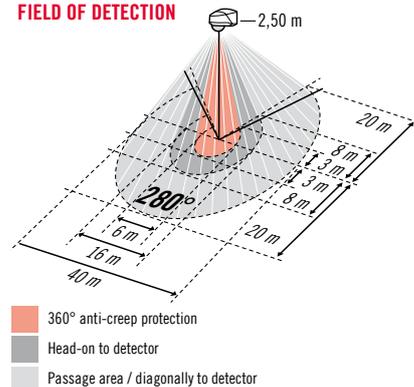- Colour: white, similar to RAL 9010

SCALE DRAWING

135 mm   78 mm   105 mm

Accessories (detailed on page 246 - 271)

• Mobil-RCi-M silver	EM10016011	4015120016011
• Mobil-RCi silver	EM10016004	4015120016004
• RC filter/snubber	EP10426988	4015120426988
• RC corner bracket white	EM10016110	4015120016110

FIELD OF DETECTION

2,50 m

280°

20 m / 8 m / 3 m / 3 m / 8 m / 20 m
6 m / 16 m / 40 m

- 360° anti-creep protection
- Head-on to detector
- Passage area / diagonally to detector

Note: a max. of 8 devices can be connected parallel. The max. line length should not exceed 100 m.

CIRCUIT DIAGRAMS

Standard operation

A maximum of 8 devices can be connected in parallel.

An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

Standard operation with additional continuous lighting function through external switch.

Parallel connection with automatic stairwell light

Standard operation with additional control by means of an opener button. If required, the light can be manually switched on or off with the button.

DALI

PRESENCE DETECTORS

Using digital signals to control LED lighting is child's play with DALI. That is why its simple cabling, polarity-free wiring, optimum LED dimming and easy scene control have established a new global standard. ESY-LUX offers a wide range of sensors in this area so that room light levels can be measured accurately and lighting can be flexibly adapted to local and individual requirements. Factory pre-programming means that commissioning is a straightforward procedure, even if conventional devices also need to be integrated into presence detector circuits: The DALI switch is ready in the blink of an eye!

CONTENTS

PRESENCE DETECTORS

DALI

Product designation	PD 360i/8 DALI ADR	PD-C360i/8 DUO DALI
Item number	EM10210709	EP10427442
White, plastic	-	-
Black, plastic	-	-
White, glass	-	-
Black, glass	-	-
Mains voltage	9.5 - 22.5 V DC	230 V AC/50 Hz
Field of detection	360°	360°
Range [m]	8	8
Range adjustment	-	-
Rec. installation height	2.5	3
Rec. Max. mounting height	-	5
Installation type	Ceiling mounting	Ceiling mounting
Protection type	IP 44 with surface-mounted box, IP 40 recessed ceiling mounting	recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*
Orientation light	-	10 % to 50 % luminous efficiency
Special product features	-	-
Slave input	no	yes
No. of DALI electronic ballasts	-	max. 25 devices per DALI/DSI output
Channel 1: Lighting		
Interface	DALI	DALI
DALI output 1	-	2-pin DALI/DSi control cable/ broadcast
Switch input	yes	yes
Orientation light	-	10 % to 50 % luminous efficiency
Channel 2: Lighting		
Exit	-	DALI
DALI/DSI output 2	-	2-pin DALI/DSi control cable/ broadcast
Switch input	-	yes
Orientation light	-	10 % to 50 % luminous efficiency
fully automatic	-	yes
Semi-automatic	-	yes
SEE PAGE	**170**	**171**

* order separately

PD-C360i/24 DUO DALI	PD-FLAT 360i/6 mini DALI	PD-C 360i/8 mini DALI	PD-FLAT 360i/8 DALI	PD-FLAT 360i/8 DALI
EP10427459	EP10427503	EP10427510	-	-
-	-	-	EP10427541	EP10427558
-	-	-	EP10427916	EP10427909
-	-	-	EP10427565	EP10427572
-	-	-	EP10427589	EP10427596
230 V AC/50 Hz	DALI BUS	DALI BUS	DALI BUS	DALI BUS
360°	360°	360°	360°	360°
24	6	8	8	8
-	-	-	mechanically with internal lens cover	mechanically with internal lens cover
3	3	3	3	3
5	3	3	5	5
Ceiling mounting	Recessed ceiling mounting	Recessed ceiling mounting	Recessed ceiling mounting	Recessed ceiling mounting
recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*	IP 55	IP 55	IP 20	IP 20
10 % to 50 % luminous efficiency	10 % to 40 % luminous efficiency	10 % to 40 % luminous efficiency	10 % to 50 % luminous efficiency	10 % to 50 % luminous efficiency
-	Includes twilight switch	Includes twilight switch	-	-
yes	yes, via DALI	yes, via DALI	yes, via DALI	yes, via DALI
max. 25 devices per DALI/DSI output	-	-	-	-
DALI	DALI	DALI	DALI	DALI
2-pin DALI/DSi control cable/ broadcast	DALI bus / Broadcast	DALI bus / Broadcast	DALI bus / Broadcast	DALI bus / Broadcast
yes	yes, via DALI	yes, via DALI	yes	yes
10 % to 50 % luminous efficiency	10 % to 40 % luminous efficiency	10 % to 40 % luminous efficiency	10 % to 50 % luminous efficiency	10 % to 50 % luminous efficiency
DALI	-	-	-	-
2-pin DALI/DSi control cable/ broadcast	-	-	-	-
yes	-	-	-	-
10 % to 50 % luminous efficiency	10 % to 40 % luminous efficiency	10 % to 40 % luminous efficiency	10 % to 50 % luminous efficiency	10 % to 50 % luminous efficiency
yes	yes	yes	yes	yes
yes	yes	yes	yes	yes
172	**168**	**169**	**173 - 178**	**175 - 180**

PD-FLAT 360i/6 MINI DALI

Order description	Order no.	EAN no.

9,5 - 22,5 V	Ø 6 m	360°	DALI		Zubehör Accessory	IP 20	IR)))	blue mode

- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 6m in diameter at a recommended installation height of 3 m
- flat lens with an installation height of only 3 mm
- Automatic light control of DALI electronic ballasts to achieve a constant brightness level, depending on presence and natural light (with DALI-output)
- Can be combined with DALI push buttons
- HVAC and potential-free contact possible in conjunction with DALI switch from ESYLUX

	PD-FLAT 360i/6 mini DALI	EP10427503	4015120427503

SCALE DRAWING
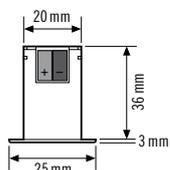
20 mm
36 mm
3 mm
25 mm

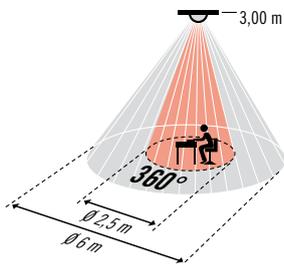### TECHNICAL DATA

- Mains voltage: DALI BUS
- Approx. power consumption: < 0.3 W
- Power consumption: 12 mA
- Setting options: electronically via infrared remote control
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 55
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised PE
- Installation dimension: Installation depth 45 mm, Installation hole size Ø 25 mm
- Special product features: Twilight switch
- Conformity: CE, RoHS
- Field of detection: 360°
- Range: 6m
- Slave input: yes, via DALI
- Light measurement: mixed light
- Light value: approx. 10 - 2000 lux
- Bus voltage: 9.5 - 22.5 V DC
- **Light channel: DALI**
- DALI output 1: DALI bus/broadcast

- **Channel 1: Lighting**
- Interface: DALI
- Switch input: yes, via DALI
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Orientation light: 10 % to 40 % luminous efficiency
- Switch-off delay time, orientation light: approx. 1 minute – 60 minutes
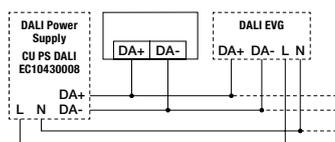- Colour: Opal matt

FIELD OF DETECTION

3,00 m
360°
Ø 2.5 m
Ø 6 m

■ Operating area approx. Ø 2.5 m

□ Passage area / diagonally to detector approx. Ø 6 m

Accessories (detailed on page 246 - 271)

Mobil-PDi/Dali silver	EP10425899	4015120425899
Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
SW DALI Semi Automation	EP10427480	4015120427480
SW DALI Full Automation	EP10427473	4015120427473
CU PS DALI	EC10430008	4015120430008

CIRCUIT DIAGRAMS

DALI Power Supply
CU PS DALI
EC10430008
DA+ DA-
DALI EVG
DA+ DA- L N
DA+
L N DA-

Standard operation

Order description	Order no.	EAN no.	**PD-C 360i/8 mini DALI**

9,5 - 22,5 V ⎓ Ø 8 m 360° DALI Zubehör Accessory IP 20 IR)) blue mode
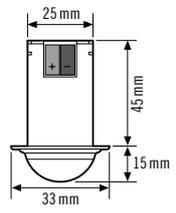
- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 8m in diameter at a recommended installation height of 3 m
- Automatic light control of DALI electronic ballasts to achieve a constant brightness level, depending on presence and natural light (with DALI-output)
- Can be combined with DALI push buttons
- HVAC and potential-free contact possible in conjunction with DALI switch from ESYLUX

| PD-C 360i/8 mini DALI | EP10427510 | 4015120427510 | |

4 015120 427510

TECHNICAL DATA

- Mains voltage: DALI BUS
- Approx. power consumption: < 0.3 W
- Power consumption: 12 mA
- Setting options: electronically via infrared remote control
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 55
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised PE
- Installation dimension: Installation depth 45 mm, Installation hole size Ø 25 mm
- Special product features: Includes twilight switch
- Conformity: CE, RoHS
- Field of detection: 360°
- Range: 8m
- Slave input: yes, via DALI
- Light measurement: mixed light
- Light value: approx. 10 - 2000 lux
- Bus voltage: 9.5 - 22.5 V DC
- **Light channel: DALI**
- DALI output 1: DALI bus/broadcast

- **Channel 1: Lighting**
- Interface: DALI
- Switch input: yes, via DALI
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- Orientation light: 10 % to 40 % luminous efficiency
- Switch-off delay time, orientation light: approx. 1 minute – 60 minutes
- Colour: Opal matt

SCALE DRAWING

25 mm
45 mm
15 mm
33 mm

Accessories (detailed on page 246 - 271)

Mobil-PDi/Dali silver	EP10425899	4015120425899
Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
SW DALI Semi Automation	EP10427480	4015120427480
SW DALI Full Automation	EP10427473	4015120427473
CU PS DALI	EC10430008	4015120430008

FIELD OF DETECTION
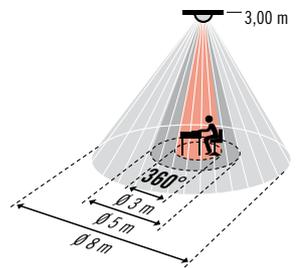
3,00 m
360°
Ø 3 m
Ø 5 m
Ø 8 m

Operating area approx. Ø 3 m

Head-on to detector approx. Ø 5 m

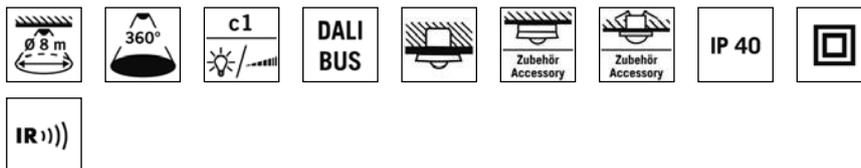Passage area / diagonally to detector approx. Ø 8 m

CIRCUIT DIAGRAMS

DALI Power Supply
CU PS DALI
EC10430008
DA+ DA-
DALI EVG
DA+ DA- L N
DA+
L N DA-
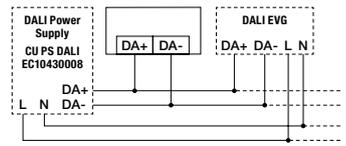
Standard operation

PD 360i/8 DALI ADR

Order description	Order no.	EAN no.

- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 8 m in the diameter at a recommended installation height of 2.5 m
- Automatic light control by DALI electronic ballasts to a constant brightness level depending on presence and natural light (with DALI output)
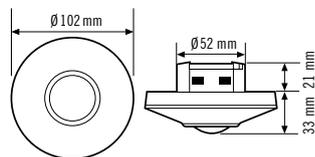
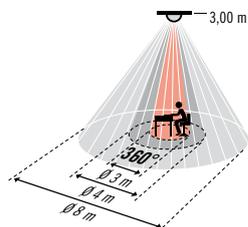|		
PD 360i/8 DALI ADR opal-matt	EM10210709	4015120210709

SCALE DRAWING

Ø 102 mm
Ø 52 mm
33 mm 21 mm

TECHNICAL DATA

- Mains voltage: 9.5 - 22.5 V DC
- Power consumption: 6 mA
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi DALI ADR remote control (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 44 with surface-mounted box, IP 40 recessed ceiling mounting
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 54 mm x Ø 102 mm
- Installation dimension: Installation depth 21 mm, Installation hole size Ø 52 mm
- Terminal: 1.5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 2,5 m
- Slave input: no

- Light measurement: mixed light
- Light value: approx. 10 - 2000 lux
- Bus voltage: 9.5 - 22.5 V DC
- **Channel 1: Lighting**
- Interface: DALI
- Switch input: yes
- Switch-off delay time: approx. 10 seconds to 30 minutes
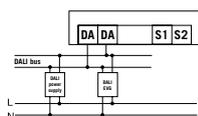- Colour: white, similar to RAL 9010

FIELD OF DETECTION

3,00 m
360°
Ø 3 m
Ø 4 m
Ø 8 m

Operating area approx. Ø 3 m

Head-on to detector approx. Ø 4 m

Passage area / diagonally to detector approx. Ø 8 m

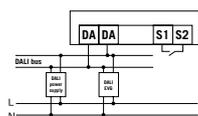### Accessories (detailed on page 246 - 271)

Mobil-PDi/DALI ADR black	EM10210891	4015120210891
Surface-mounted box DALI ADR white	EM10210808	4015120210808
Ceiling-mounted set DALI ADR	EM10210815	4015120210815

CIRCUIT DIAGRAMS

DA DA S1 S2
DALI bus
DALI power supply
DALI EVG
L
N

Standard operation

DA DA S1 S2
DALI bus
DALI power supply
DALI EVG
L
N

Standard operation with additional control by means of a closing button. If required, the light can be manually dimmed or switched on or off with the button.

Order description	Order no.	EAN no.	**PD-C360i/8 DUO DALI**

- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 8 m in the diameter at a recommended installation height of 3 m
- Automatic light control by DALI or DSI electronic ballasts to a constant brightness level depending on presence and natural light (with Dali/DSI output)
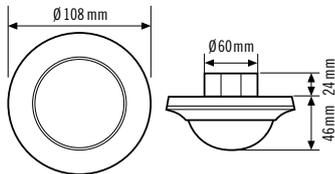
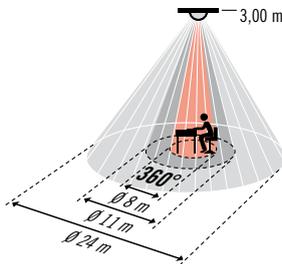| PD-C360i/8 DUO DALI opal frosted	EP10427442	4015120427442	4 015120 427442

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Setting options: electronically by infrared Mobil-PDi/DALI, Mobil-PDi/User, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 62 mm, Ø 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Approx. power consumption: < 0.6 W

- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- No. of DALI electronic ballasts: max. 25 devices per DALI/DSI output
- DALI output 1: 2-pin DALI/DSi control cable/broadcast
- DALI/DSI output 2: 2-pin DALI/DSi control cable/broadcast
- **Channel 1: Lighting**
- Interface: DALI
- Switch input: yes
- Switch-off delay time: approx. 1 minute – 240 minutes
- **Channel 2: Lighting**
- Exit: DALI
- Switch input: yes
- Switch-off delay channel 2: approx. 1 minute – 240 minutes
- Orientation light: 10 % to 50 % luminous efficiency
- Switch-off delay time, orientation light: approx. 1 minute – 60 minutes
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 108 mm Ø 60 mm 24 mm 38 mm

Accessories (detailed on page 246 - 271)

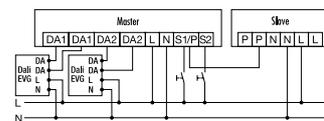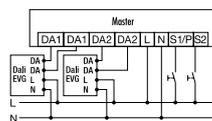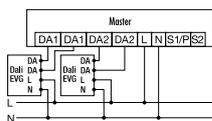|		
PD-C360/8 Slave white	EP10055379	4015120055379
PD-C360/24 Slave white	EP10055386	4015120055386
Mobil-PDi/Dali silver	EP10425899	4015120425899
Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
Cover set C360/8 silver	EP10425936	4015120425936
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608
SW DALI Semi Automation	EP10427480	4015120427480
SW DALI Full Automation	EP10427473	4015120427473

FIELD OF DETECTION

3,00 m

360°
Ø 4 m
Ø 6 m
Ø 8 m

■ Operating area approx. Ø 4 m
■ Head-on to detector approx. Ø 6 m
□ Passage area / diagonally to detector approx. Ø 8 m

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

PD-C360i/24 DUO DALI

Order description	Order no.	EAN no.

| 230 V ~ | Ø 24 m | 360° | c1 | c2 | DALI DSI | | Zubehör Accessory | Zubehör Accessory |
| IP 20 | | IR))) | blue mode | | | | | |

- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 24 m in the diameter at a recommended installation height of 3 m
- Automatic light control by DALI or DSI electronic ballasts to a constant brightness level, depending on presence and natural light (with DALI/DSI output)

	PD-C360i/24 DUO DALI opal frosted	EP10427459	4015120427459

4 015120 427459

SCALE DRAWING

Ø 108 mm
Ø 60 mm
24 mm
46 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.6 W
- Setting options: electronically by infrared Mobil-PDi/DALI, Mobil-PDi/User, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm, Ø 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes

- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m
- Slave input: yes
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- No. of DALI electronic ballasts: max. 25 devices per DALI/DSI output
- DALI output 1: 2-pin DALI/DSi control cable/broadcast
- DALI/DSI output 2: 2-pin DALI/DSi control cable/broadcast
- **Channel 1: Lighting**
- Interface: DALI
- Switch input: yes
- Switch-off delay time: approx. 1 minute – 240 minutes
- Orientation light: 10 % to 50 % luminous efficiency
- Switch-off delay time, orientation light: approx. 1 minute – 60 minutes
- **Channel 2: Lighting**
- Exit: DALI
- Switch input: yes
- Switch-off delay channel 2: approx. 1 minute – 240 minutes
- Colour: white, similar to RAL 9010

FIELD OF DETECTION

3,00 m
360°
Ø 8 m
Ø 11 m
Ø 24 m

Operating area approx. Ø 8 m

Head-on to detector approx. Ø 11 m

Passage area / diagonally to detector approx. Ø 24 m

Accessories (detailed on page 246 - 271)

PD-C360/8 Slave white	EP10055379	4015120055379
PD-C360/24 Slave white	EP10055386	4015120055386
Mobil-PDi/Dali silver	EP10425899	4015120425899
Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
Cover set C360/24 silver	EP10425431	4015120425431
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608
SW DALI Semi Automation	EP10427480	4015120427480
SW DALI Full Automation	EP10427473	4015120427473

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

Order description	Order no.	EAN no.	**PD-FLAT 360I/8 ROUND WHITE DALI**

9,5 - 22,5 V	Ø 8 m	360°	DALI		Zubehör Accessory	IP 20	IR)))	blue mode

DALI design presence detector with excellent sensing capabilities, at least 8 m in diameter. Low profile design with plastic design covers: round, white - variably interchangeable (alternatively: square, glass, black)
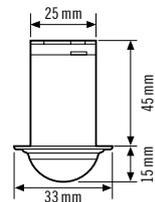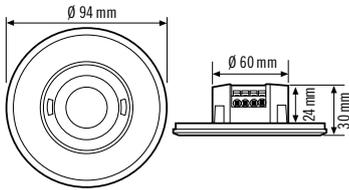
PD-FLAT 360i/8 RW DALI	EP10427541	4015120427541	

TECHNICAL DATA

- Mains voltage: DALI BUS
- Power consumption: 12 mA
- Permissible ambient temperature: 0 °C …+50 °C
- Protection type: IP 20
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Range adjustment: mechanically with internal lens cover
- Slave input: yes, via DALI
- Light measurement: mixed light
- Light value: approx. 5 - 10000 lux

- Bus voltage: 9.5 - 22.5 V DC
- DALI output 1: DALI bus/broadcast
- **Channel 1: Lighting**
- Interface: DALI
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 15 minutes
- Orientation light: 10 % to 50 % luminous efficiency
- Switch-off delay time, orientation light: disabled/ approx. 1 minute – 250 min.
- Colour: white, similar to RAL 9010

SCALE DRAWING

25 mm
33 mm
45 mm
15 mm

Accessories (detailed on page 246 - 271)

Mobil-PDi/Dali silver	EP10425899	4015120425899
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Recessed ceiling mounting kit PD-F	EP10426889	4015120426889
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608
CU PS DALI	EC10430008	4015120430008

FIELDS OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m
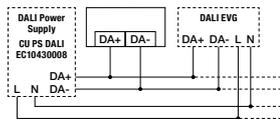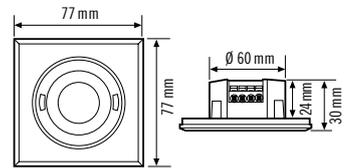
Operating area approx. Ø 4 m
Head-on to detector approx. Ø 6 m
Passage area / diagonally to detector approx. Ø 8 m

CIRCUIT DIAGRAMS

DALI Power Supply
CU PS DALI
EC10430008

DA+ DA-

DALI EVG
DA+ DA- L N

DA+
DA-
L N

Standard operation

PD-FLAT 360I/8 ROUND BLACK DALI

Order description	Order no.	EAN no.

9,5 - 22,5 V	Ø 8 m	360°	DALI		Zubehör Accessory	IP 20	IR)))	blue mode

DALI design presence detector with excellent sensing capabilities, at least 8 m in diameter. Low profile design with plastic design covers: round, black - variably interchangeable (alternatively: square, glass, white)

	PD-FLAT 360i/8 RB DALI	EP10427916	4015120427916

4 015120 427916

SCALE DRAWING

Ø 94 mm
Ø 60 mm
24 mm
30 mm

TECHNICAL DATA

- Mains voltage: DALI BUS
- Power consumption: 12 mA
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Range adjustment: mechanically with internal lens cover
- Slave input: yes, via DALI
- Light measurement: mixed light
- Light value: approx. 5 - 10000 lux

- Bus voltage: 9.5 - 22.5 V DC
- DALI output 1: DALI bus/broadcast
- **Channel 1: Lighting**
- Interface: DALI
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 15 minutes
- Orientation light: 10 % to 50 % luminous efficiency
- Switch-off delay time, orientation light: disabled/ approx. 1 minute – 250 min.
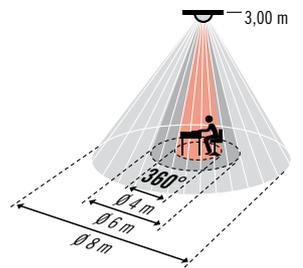- Colour: black, similar to RAL 9004

FIELDS OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)
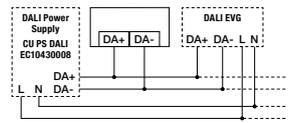
Mobil-PDi/Dali silver	EP10425899	4015120425899
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Recessed ceiling mounting kit PD-F	EP10426889	4015120426889
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608
CU PS DALI	EC10430008	4015120430008

CIRCUIT DIAGRAMS

DALI Power Supply
CU PS DALI
EC10430008
DA+ DA-
DALI EVG
DA+ DA- L N
DA+
DA-
L N

Standard operation

Order description	Order no.	EAN no.	**PD-FLAT 360I/8 SQUARE WHITE DALI**

9,5 - 22,5 V ⎓ | Ø 8 m | 360° | DALI | | Zubehör Accessory | IP 20 | IR))) | blue mode

DALI design presence detector with excellent sensing capabilities, at least 8 m in diameter. Low profile design with plastic design covers: square, white - variably interchangeable (alternatively: round, glass, black)
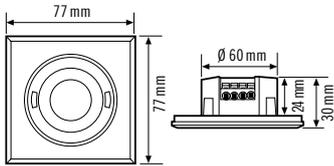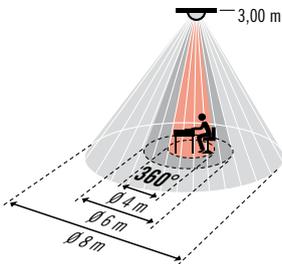
PD-FLAT 360i/8 SW DALI	EP10427558	4015120427558	4 015120 427558

TECHNICAL DATA

- Mains voltage: DALI BUS
- Power consumption: 12 mA
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Range adjustment: mechanically with internal lens cover
- Slave input: yes, via DALI
- Light measurement: mixed light
- Light value: approx. 5 - 10000 lux

- Bus voltage: 9.5 - 22.5 V DC
- DALI output 1: DALI bus/broadcast
- **Channel 1: Lighting**
- Interface: DALI
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 15 minutes
- Orientation light: 10 % to 50 % luminous efficiency
- Switch-off delay time, orientation light: disabled/ approx. 1 minute – 250 min.
- Colour: white, similar to RAL 9010

SCALE DRAWING

77 mm · 77 mm · Ø 60 mm · 24 mm · 30 mm

Accessories (detailed on page 246 - 271)

• Mobil-PDi/Dali silver	EP10425899	4015120425899
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Recessed ceiling mounting kit PD-F	EP10426889	4015120426889
• Basket guard 165/70 white	EM10425615	4015120425615
• Basket guard 180/90 white	EM10425608	4015120425608
• CU PS DALI	EC10430008	4015120430008

FIELDS OF DETECTION

3,00 m

360° · Ø 4 m · Ø 6 m · Ø 8 m
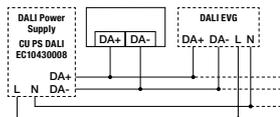
Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

CIRCUIT DIAGRAMS

DALI Power Supply CU PS DALI EC10430008 | DA+ DA- | DALI EVG | DA+ DA- L N

DA+ DA- L N

Standard operation

PD-FLAT 360I/8 SQUARE BLACK DALI
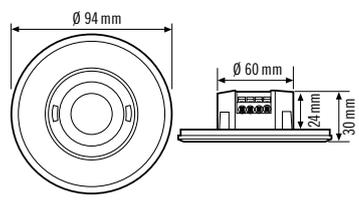
Order description	Order no.	EAN no.

DALI design presence detector with excellent sensing capabilities, at least 8 m in diameter. Low profile design with plastic design covers: square, black - variably interchangeable (alternatively: round, glass, white)

	PD-FLAT 360i/8 SB DALI	EP10427909	4015120427909

4 015120 427909

SCALE DRAWING

77 mm
77 mm
Ø 60 mm
24 mm
30 mm

TECHNICAL DATA

- Mains voltage: DALI BUS
- Power consumption: 12 mA
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Range adjustment: mechanically with included cut to size lens mask
- Slave input: yes, via DALI
- Light measurement: mixed light
- Light value: approx. 5 - 10000 lux

- Bus voltage: 9.5 - 22.5 V DC
- DALI output 1: DALI bus/broadcast
- **Channel 1: Lighting**
- Interface: DALI
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 15 minutes
- Orientation light: 10 % to 50 % luminous efficiency
- Switch-off delay time, orientation light: disabled/approx. 1 minute – 250 min.
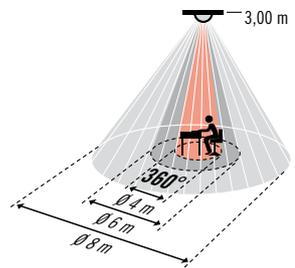- Colour: black, similar to RAL 9004

FIELDS OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

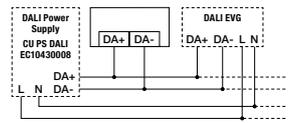### Accessories (detailed on page 246 - 271)

Mobil-PDi/Dali silver	EP10425899	4015120425899
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Recessed ceiling mounting kit PD-F	EP10426889	4015120426889
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608
CU PS DALI	EC10430008	4015120430008

CIRCUIT DIAGRAMS

DALI Power Supply
CU PS DALI
EC10430008
DA+ DA-
DALI EVG
DA+ DA- L N
DA+
L N DA-

Standard operation

Order description	Order no.	EAN no.	**PD-FLAT 360I/8 GLASS ROUND WHITE DALI**

9,5 - 22,5 V ⎓ | Ø 8 m | 360° | DALI | Zubehör Accessory | IP 20 | IR ⟩⟩⟩

blue mode

DALI design presence detector with excellent sensing capabilities, at least 8 m in diameter. Low profile design with glass design covers: round, white - variably interchangeable (alternatively: square, plastic, black)
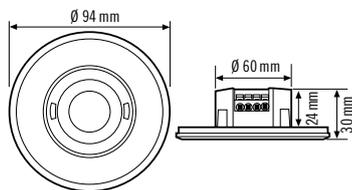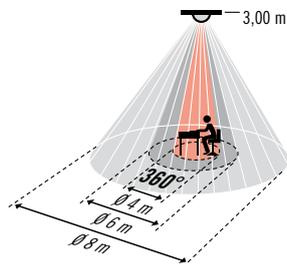
PD-FLAT 360i/8 GRW DALI	EP10427565	4015120427565	4 015120 427565

TECHNICAL DATA

- Mains voltage: DALI BUS
- Power consumption: 12 mA
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Range adjustment: mechanically with internal lens cover
- Slave input: yes, via DALI
- Light measurement: mixed light
- Light value: approx. 5 - 10000 lux

- Bus voltage: 9.5 - 22.5 V DC
- DALI output 1: DALI bus/broadcast
- **Channel 1: Lighting**
- Interface: DALI
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 15 minutes
- Orientation light: 10 % to 50 % luminous efficiency
- Switch-off delay time, orientation light: disabled/ approx. 1 minute – 250 min.
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 94 mm
Ø 60 mm
24 mm
30 mm

Accessories (detailed on page 246 - 271)

Mobil-PDi/Dali silver	EP10425899	4015120425899
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Recessed ceiling mounting kit PD-F	EP10426889	4015120426889
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608
CU PS DALI	EC10430008	4015120430008

FIELDS OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

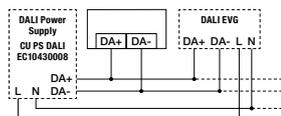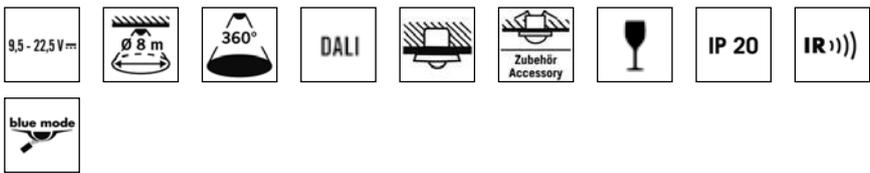- Operating area approx. Ø 4 m
- Head-on to detector approx. Ø 6 m
- Passage area / diagonally to detector approx. Ø 8 m

CIRCUIT DIAGRAMS

DALI Power Supply
CU PS DALI
EC10430008
DA+ DA-
DALI EVG
DA+ DA- L N
DA+
L N DA-

Standard operation

PD-FLAT 360I/8 GLASS ROUND BLACK DALI

Order description	Order no.	EAN no.

| 9,5 - 22,5 V ⎓ | Ø 8 m | 360° | DALI | | Zubehör Accessory | | IP 20 | IR))) |

blue mode

DALI design presence detector with excellent sensing capabilities, at least 8 m in diameter. Low profile design with glass design covers: round, white - variably interchangeable (alternatively: square, plastic, black)
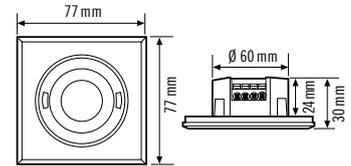
	PD-FLAT 360i/8 GRB DALI	EP10427589	4015120427589

4 015120 427589

SCALE DRAWING

Ø 94 mm
Ø 60 mm
24 mm
30 mm

TECHNICAL DATA

- Mains voltage: DALI BUS
- Power consumption: 12 mA
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Range adjustment: mechanically with internal lens cover
- Slave input: yes, via DALI
- Light measurement: mixed light
- Light value: approx. 5 - 10000 lux

- Bus voltage: 9.5 - 22.5 V DC
- DALI output 1: DALI bus/broadcast
- **Channel 1: Lighting**
- Interface: DALI
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 15 minutes
- Orientation light: 10 % to 50 % luminous efficiency
- Switch-off delay time, orientation light: disabled/ approx. 1 minute – 250 min.
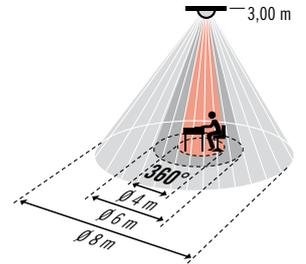- Colour: black, similar to RAL 9004

FIELDS OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

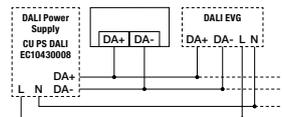### Accessories (detailed on page 246 - 271)

Mobil-PDi/Dali silver	EP10425899	4015120425899
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Recessed ceiling mounting kit PD-F	EP10426889	4015120426889
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608
CU PS DALI	EC10430008	4015120430008

CIRCUIT DIAGRAMS

DALI Power Supply
CU PS DALI
EC10430008
DA+ DA-
DALI EVG
DA+ DA- L N
DA+
L N DA-

Standard operation

Order description	Order no.	EAN no.	**PD-FLAT 360I/8 GLASS SQUARE WHITE DALI**

9,5 - 22,5 V ⎓ | Ø 8 m | 360° | DALI | | Zubehör Accessory | | IP 20 | IR �))

blue mode

DALI design presence detector with excellent sensing capabilities, at least 8 m in diameter. Low profile design with glass design covers: square, white - variably interchangeable (alternatively: round, plastic, black)
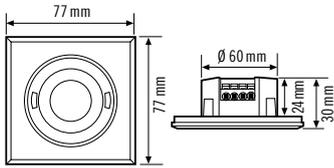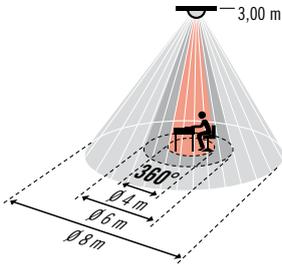
PD-FLAT 360i/8 GSW DALI	EP10427572	4015120427572	4 015120 427572

TECHNICAL DATA

- Mains voltage: DALI BUS
- Power consumption: 12 mA
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Range adjustment: mechanically with internal lens cover
- Slave input: yes, via DALI
- Light measurement: mixed light
- Light value: approx. 5 - 10000 lux

- Bus voltage: 9.5 - 22.5 V DC
- DALI output 1: DALI bus/broadcast
- **Channel 1: Lighting**
- Interface: DALI
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 15 minutes
- Orientation light: 10 % to 50 % luminous efficiency
- Switch-off delay time, orientation light: disabled/ approx. 1 minute – 250 min.
- Colour: white, similar to RAL 9010

SCALE DRAWING

77 mm | 77 mm | Ø 60 mm | 24 mm | 30 mm

Accessories (detailed on page 246 - 271)

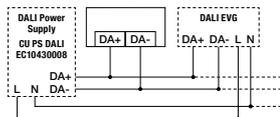|		
Mobil-PDi/Dali silver	EP10425899	4015120425899
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Recessed ceiling mounting kit PD-F	EP10426889	4015120426889
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608
CU PS DALI	EC10430008	4015120430008

FIELDS OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

CIRCUIT DIAGRAMS

DALI Power Supply
CU PS DALI
EC10430008
DA+ DA-
DALI EVG
DA+ DA- L N
DA+
L N DA-

Standard operation

PD-FLAT 360I/8 GLASS SQUARE BLACK DALI

Order description	Order no.	EAN no.

| 9,5 - 22,5 V ⎓ | Ø 8 m | 360° | DALI | | Zubehör Accessory | | IP 20 | IR ⟩⟩⟩ |

blue mode

DALI design presence detector with excellent sensing capabilities, at least 8 m in diameter. Low profile design with glass design covers: square, white - variably interchangeable (alternatively: round, plastic, black)

	PD-FLAT 360i/8 GSB DALI	EP10427596	4015120427596

4 015120 427596

SCALE DRAWING

77 mm
77 mm
Ø 60 mm
24 mm
30 mm

TECHNICAL DATA

- Mains voltage: DALI BUS
- Power consumption: 12 mA
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: no
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Range adjustment: mechanically with internal lens cover
- Slave input: yes, via DALI
- Light measurement: mixed light
- Light value: approx. 5 - 10000 lux

- Bus voltage: 9.5 - 22.5 V DC
- DALI output 1: DALI bus/broadcast
- **Channel 1: Lighting**
- Interface: DALI
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 15 minutes
- Orientation light: 10 % to 50 % luminous efficiency
- Switch-off delay time, orientation light: disabled/ approx. 1 minute – 250 min.
- Colour: black, similar to RAL 9004

FIELDS OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

■ Operating area approx. Ø 4 m

■ Head-on to detector approx. Ø 6 m

■ Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

Mobil-PDi/Dali silver	EP10425899	4015120425899
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Recessed ceiling mounting kit PD-F	EP10426889	4015120426889
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608
CU PS DALI	EC10430008	4015120430008

CIRCUIT DIAGRAMS

DALI Power Supply
CU PS DALI
EC10430008
DA+ DA-
DA+
L N DA-
DALI EVG
DA+ DA- L N

Standard operation

KNX

PRESENCE AND MOTION DETECTORS

In the complex world of building automation, standards ensure a minimum degree of compatibility and stability when combining different technologies. KNX is one such standard that, due to its decentralised structure, is particularly reliant on the inherent intelligence of the networked devices. It goes without saying that ESYLUX offers an extensive range of solutions in this respect. As well as being easy to configure using ETS (Engineering Tool Software) and providing users with a great many parameterisation options, the KNX detectors control end devices on the basis of actual measured values, therefore exploiting every conceivable advantage of intelligent digital automation.

CONTENTS

PRESENCE / MOTION DETECTORS

KNX
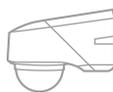
Product designation	RC 230i KNX	PD 360/8 KNX BASIC	PD-C180i KNX
Item number	EB10430442	EM10015472	EP10426445
Set SKJ	-	-	-
Set SKK	-	-	-
Set EXX	-	-	-
Mains voltage	from KNX bus 29 - 31 V	from KNX bus 29 - 31 V	from KNX bus 29 - 31 V
Field of detection	230° (2 x 115° separately adjustable) and 360° anti-creep protection	360°	180° horizontal, 60° vertical
Range [m]	20	8	16
Rec. installation height	2.5	3	1.1
Rec. Max. mounting height	-	5	2.2
Installation type	Ceiling and wall mounting, mounting on inner and outer corners possible with accessories	Recessed ceiling mounting	Wall mounting
Protection type	IP 54	IP 40	IP 20, IP 44 by cover*
KNX input	-	manual light control, block objects, reset, slave	manual light control, block objects, slave
KNX output	-	Light channel c1	presence, status, light value, HVAC
Light channel	-	c1 switching	c1 + c2 switching/dimming, c2 offset from c1 (-50 % to +50 %)
Special product features	-	-	Microphone, lens lighting, choice of 7 colours
Special product features	Anti-creep protection, one-hand plug-base, twilight switch (1 object), motion direction detection (3 objects), light-dependent motion detection, brightness detection via the object	-	Twilight switch (1 object), motion direction detection (2 objects), brightness detection via the object, light-dependent motion detection
Slave input	yes, unit can be used as a master or slave device	yes, unit can be used as a master or slave device	yes, unit can be used as a master or slave device
Channel 1			
Interface	KNX	KNX	KNX
Orientation light	disabled/10 - 50 %, 2 values can be selected	-	disabled/0 - 50 %, 2 values can be selected
Channel 2			
Orientation light	disabled/10 - 50 %, 2 values can be selected	-	disabled/0 - 50 %, 2 values can be selected
Master/slave function	true	true	true
Manual override	yes, manually, yes, via IR	yes, manually, yes, via IR	yes, manually, yes, via IR
Night-light feature	-	no	yes
SEE PAGE	**188**	**189**	**190**

* order separately

	PD-C180i KNX ECO	PD-C 180i/16 Touch KNX	PD-C360i/8 KNX UP	PD-C360i/24 KNX ECO UP	PD-C360i/24 KNX UP
	EP10426452	EP10460104	EP10427404	EP10427435	EP10427428
	-	EP10460128	-	-	-
	-	EP10460135	-	-	-
	-	EP10460142	-	-	-
	from KNX bus 29 - 31 V	from KNX bus 29 - 31 V	from KNX bus 29 - 31 V	from KNX bus 29 - 31 V	from KNX bus 29 - 31 V
	180° horizontal, 60° vertical	180° horizontal, 60° vertical	360°	360°	360°
	16	16	8	24	24
	1.1	1.1	3	3	3
	2.2	2.2	5	10	10
	Wall mounting	Wall mounting	Recessed ceiling mounting	Recessed ceiling mounting	Recessed ceiling mounting
	IP 20, IP 44 by cover*	IP 20, IP 44 by cover*	IP 20	IP 20	IP 20
	manual light control, block objects, slave	manual light control, block objects, slave	manual light control, block objects, reset, slave	manual light control, block objects, reset, slave	manual light control, block objects, reset, slave
	presence, status, light value	presence, status, light value, HVAC	presence, status, light value, HVAC	presence, status, light value	presence, status, light value, HVAC
	c1 + c2 switching	c1 + c2 switching/dimming, c2 offset from c1 (-50 % to +50 %)	c1 + c2 switching/dimming, offset (-50 % to +50 %)	c1 + c2 switching	c1 + c2 switching/dimming, offset (-50 % to +50 %)
	-	Microphone, lens lighting, choice of 7 colours	-	-	-
	Twilight switch (1 object), motion direction detection (2 objects), brightness detection via the object, light-dependent motion detection	Twilight switch (1 object), motion direction detection (2 objects), brightness detection via the object, light-dependent motion detection	Alarm via object, twilight switch (1 object), brightness detection via the object, light-dependent motion detection, snooze function, scene number by object	Lght-dependent motion detection, brightness detection via the object	Alarm via object, twilight switch (1 object), brightness detection via the object, light-dependent motion detection, snooze function, scene number by object
	yes, unit can be used as a master or slave device	yes, unit can be used as a master or slave device	yes, unit can be used as a master or slave device	yes, unit can be used as a master or slave device	yes, unit can be used as a master or slave device
	KNX	KNX	KNX	KNX	KNX
	-	disabled/0 - 50 %, 2 values can be selected	disabled/10 - 50 %, 2 values can be selected	-	disabled/10 - 50 %, 2 values can be selected
	-	disabled/0 - 50 %, 2 values can be selected	disabled/10 - 50 %, 2 values can be selected	-	disabled/10 - 50 %, 2 values can be selected
	true	yes	true	true	true
	yes, manually, yes, via IR	yes, manually, yes, via IR	yes, manually, yes, via IR	yes, manually, yes, via IR	yes, manually, yes, via IR
	yes	yes	yes	yes	yes
	191	**192 - 195**	**196**	**197**	**198**

PRESENCE DETECTORS

Product designation	PD 360i/8 DALI ADR	PD-C360i/8 DUO DALI GST
Item number	EP10426155	EP10426162
White, plastic	-	-
Black, plastic	-	-
Grey, plastic	-	-
White, glass	-	-
Black, glass	-	-
Grey, glass	-	-
Mains voltage	from KNX bus 29 - 31 V	from KNX bus 29 - 31 V
Field of detection	360°	360°
Range [m]	8	12
Rec. installation height	3	3
Rec. Max. mounting height	5	5
Installation type	Recessed ceiling mounting	Recessed ceiling mounting
Protection type	IP 55	IP 55
KNX input	manual light control, block objects, reset, slave	manual light control, block objects, reset, slave
KNX output	presence, status, light value, HVAC	presence, status, light value, HVAC
Light channel	c1 + c2 switching/dimming, c2 offset from c1 (-80 % to +80 %)	c1 + c2 switching/dimming, c2 offset from c1 (-80 % to +80 %)
Special product features	-	-
Special product features	Alarm via object, twilight switch (1 object), brightness detection via the object, light-dependent motion detection, snooze function, scene number by object	Alarm via object, twilight switch (1 object), brightness detection via the object, light-dependent motion detection, snooze function, scene number by object
Slave input	yes, unit can be used as a master or slave device	yes, unit can be used as a master or slave device
Channel 1		
Interface	KNX	KNX
Orientation light	disabled/10 - 50 %, 2 values can be selected	disabled/10 - 50 %, 2 values can be selected
Channel 2		
Orientation light	disabled/10 - 50 %, 2 values can be selected	disabled/10 - 50 %, 2 values can be selected
Master/slave function	true	true
Manual override	yes, manually, yes, via IR	yes, manually, yes, via IR
Night-light feature	yes	yes
SEE PAGE	199	200

PD-FLAT 360i/8 KNX	PD-FLAT 360i/8 KNX	PD-ATMO 360i/8 T KNX	PD-ATMO 360i/8 A KNX	PD-ATMO 360i/8 O KNX
-	-	EP10427213	EP10427206	EP10427220
EP10451706	EP10451713	-	-	-
EP10451768	EP10451775	-	-	-
EP10451799	-	-	-	-
EP10451720	EP10451737	-	-	-
EP10451744	EP10451751	-	-	-
EP10451782	-	-	-	-
from KNX bus 29 - 31 V	from KNX bus 29 - 31 V	from KNX bus 29 - 31 V	from KNX bus 29 - 31 V	230 V AC/50 Hz
360°	360°	360°	360°	360°
8	8	8	8	8
3	3	3	3	3
5	5	5	5	5
Recessed ceiling mounting	Recessed ceiling mounting	Ceiling mounting	Ceiling mounting	Ceiling mounting
IP 20	IP 20	IP 20	IP 20	IP 20
manual light control, block objects, reset, slave	manual light control, block objects, reset, slave	manual light control, block objects, reset, slave	manual light control, block objects, reset, slave	manual light control, block objects, reset, slave
presence, status, light value, HVAC	presence, status, light value, HVAC	presence, status, light value, HVAC	presence, status, light value, HVAC	presence, status, light value, HVAC
c1 + c2 switching/dimming, offset (-50 % to +50 %)	c1 + c2 switching/dimming, offset (-50 % to +50 %)	c1 + c2 switching/dimming, c2 offset from c1 (-100 % to +100 %)	c1 + c2 switching/dimming, c2 offset from c1 (-100 % to +100 %)	c1 + c2 switching/dimming, c2 offset from c1 (-100 % to +100 %)
-	-	Microphone, lens lighting, choice of 7 colours, temperature measurement	Microphone, lens lighting, choice of 7 colours, relative humidity, temperature measurement	Microphone, lens lighting, choice of 7 colours, VOC measurement, relative humidity, temperature measurement, visual and acoustic alarming
Alarm via object, twilight switch (1 object), brightness detection via the object, light-dependent motion detection, snooze function, scene number by object	Alarm via object, twilight switch (1 object), brightness detection via the object, light-dependent motion detection, snooze function, scene number by object	Alarm via object, twilight switch (1 object), brightness detection via the object, light-dependent motion detection, snooze function, scene number by object	Alarm via object, twilight switch (1 object), brightness detection via the object, light-dependent motion detection, snooze function, scene number by object	Alarm via object, twilight switch (1 object), brightness detection via the object, light-dependent motion detection, snooze function, scene number by object
yes, unit can be used as a master or slave device	yes, unit can be used as a master or slave device	yes, unit can be used as a master or slave device	yes, unit can be used as a master or slave device	yes, unit can be used as a master or slave device
KNX	KNX	KNX	KNX	KNX
disabled/10 - 50 %, 2 values can be selected	disabled/10 - 50 %, 2 values can be selected	disabled/10 - 50 %, 2 values can be selected	disabled/10 - 50 %, 2 values can be selected	disabled/10 - 50 %, 2 values can be selected
disabled/10 - 50 %, 2 values can be selected	disabled/10 - 50 %, 2 values can be selected	disabled/10 - 50 %, 2 values can be selected	disabled/10 - 50 %, 2 values can be selected	disabled/10 - 50 %, 2 values can be selected
yes	yes	true	true	true
yes, manually, yes, via IR	yes, manually, yes, via IR	yes, manually, yes, via IR	yes, manually, yes, via IR	yes, manually, yes, via IR
yes	yes	yes	yes	yes
201 - 208	204 - 210	211	212	213

RC 230i KNX

	Order description	Order no.	EAN no.
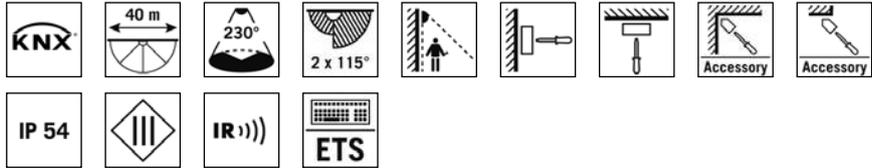
- KNX Motion detector with 230° field of detection and large range
- 360° anti-creep protection for unbroken coverage
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
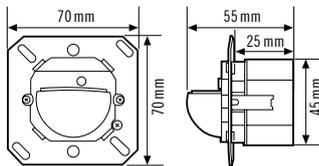- Parameter and function settings via ETS (Engineering Tool Software)

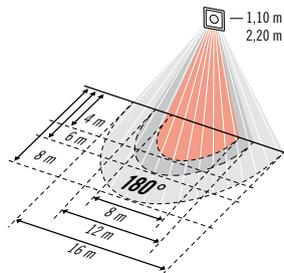|	RC 230i KNX white	EM10015472	4015120015472

SCALE DRAWING
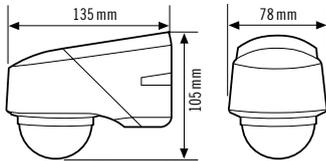
135 mm
78 mm
105 mm

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-RCi-M remote control (order separately)
- Permissible ambient temperature: -25 °C ...+55 °C
- Protection type: IP 54
- Protection class: III
- Installation type: Wall and ceiling mounting, Mounting on inner and outer corners possible with accessories
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 105 mm x Width 78 mm x Length 135 mm
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 230° (2 x 115° separately adjustable) and 360° anti-creep protection
- Range: approx. 20 m in Ø, at an installation height of 2,5 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: approx. 2 - 2500 lux
- Bus voltage: 29 - 31 V = (KNX)

- Sensitivity configurable via ETS: yes
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Interface: KNX
- Switch-off delay time: disabled/30 seconds to 30 min
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Orientation light: disabled/10 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min - 250 min
- Colour: white, similar to RAL 9010

FIELDS OF DETECTION

2,50 m

230°

3 m
8 m
6 m
16 m
20 m
40 m

- 360° anti-creep protection
- Head-on to detector
- Passage area / diagonally to detector
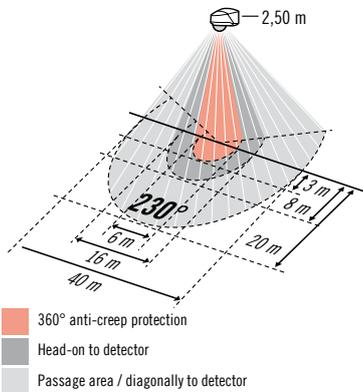
Accessories (detailed on page 246 - 271)

• Mobil-RCi-M silver	EM10016011		4015120016011
• RC corner bracket white	EM10016110		4015120016110

Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

− +

+
−
KNX (TP)
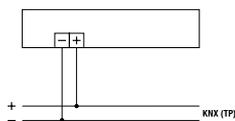
Standard operation

Order description	Order no.	EAN no.	**PD 360/8 KNX BASIC**

- KNX Ceiling-mounted presence detector with 360° field of detection
- Range of up to 8 m in the diameter at a recommended installation height of 3 m for convenience applications
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)

PD 360/8 KNX Basic	EB10430442	4015120430442	

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 40
- Protection class: III
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 75 mm, Ø 100 mm
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: disabled/approx. 5 - 2000 lux
- Bus voltage: 29 - 31 V = (KNX)
- KNX output: Light channel c1

- KNX input: manual light control, block objects, reset, slave
- Sensitivity configurable via ETS: no
- **Light channel:** c1 switching
- Sends a telegram at regular intervals: no
- Master/slave function: true
- Constant light control: false
- Presence simulation: false
- Manual override: Yes, manual, yes, via IR
- Night-light feature: no
- Interface: KNX
- Switch-off delay time: disabled/30 seconds to 30 min
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 99 mm

33 mm

Accessories (detailed on page 246 - 271)

• Ceiling recessed-mounted set-C white	EP10425929	4015120425929
• Basket guard 165/70 white	EM10425615	4015120425615
• Basket guard 180/90 white	EM10425608	4015120425608

FIELDS OF DETECTION

3,00 m

360°
Ø 3 m
Ø 4 m
Ø 8 m

Operating area approx. Ø 3 m

Head-on to detector approx. Ø 4 m

Passage area / diagonally to detector approx. Ø 8 m

Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

KNX (TP)
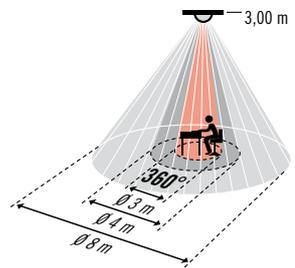
Standard operation

PD-C180i KNX

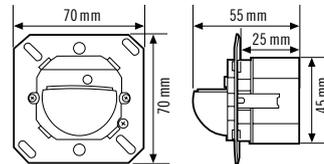| Order description	Order no.	EAN no.

- KNX Presence detector with 180° field of detection for wall mounting
- range of up to 16 m in the diameter at a recommended installation height of 1.1 - 2.2 m
- In-built acoustic sensor perfect for use in areas with a complex layout
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)

	PD-C 180i/16 Touch KNX	EP10460104	4015120460104

SCALE DRAWING

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-RCi-M and Mobil-PDi/MDi-universal remote controls (order separately), Manually by touch control
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20, IP 44 depending on cover (order separately)
- Protection class: III
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm x Width 70 mm x Depth 49 mm
- Installation dimension: Installation depth [mm] 20 mm, Installation hole size Ø 53 mm
- Special product features: microphone, Lens lighting, choice of 7 colours
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 m to 2,2 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, slave
- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, c2 offset from c1 (-50 % to +50 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds to 30 min
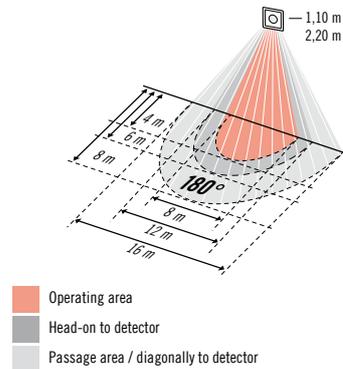- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Orientation light: disabled/0 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min - 250 min
- Switch-on delay channel 3: disabled/2 min - 30 min
- Switch-off delay channel 3: disabled/10 seconds/1 minute - 60 min.
- Colour: white, similar to RAL 9010

FIELDS OF DETECTION

Operating area
Head-on to detector
Passage area / diagonally to detector

Accessories (detailed on page 246 - 271)
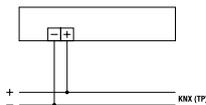
Mobil-RCi-M silver	EM10016011	4015120016011
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Cover IP 20 white	EM10055102	4015120055102
Cover IP 20 signal white	EM10055119	4015120055119
Cover IP 20 cream white	EM10055126	4015120055126
Cover IP 20 charcoal grey	EM10055133	4015120055133
Cover IP 20 stainless steel finish	EM10055140	4015120055140
Cover IP 20-SKK white	EM10055270	4015120055270
Cover IP 20-SKJ white	EM10055287	4015120055287
Cover IP 20-EXX white	EM10055294	4015120055294
Cover IP20-BS1 white	EP10427114	4015120427114
Cover IP20-BS1 polar	EP10427107	4015120427107
Cover IP20-BJSI white	EP10427145	4015120427145
Cover IP20-BM2 polar	EP10427121	4015120427121
Cover IP20-BJSI cream	EP10427152	4015120427152
Cover IP20-G55 white	EP10427169	4015120427169
Cover IP20-G55 cream	EP10427176	4015120427176
Cover IP 44 white	EM10055157	4015120055157
Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

Note: Order cover and remote control separately.
Note: The product database and application can be downloaded free of charge from www.esylux.com.
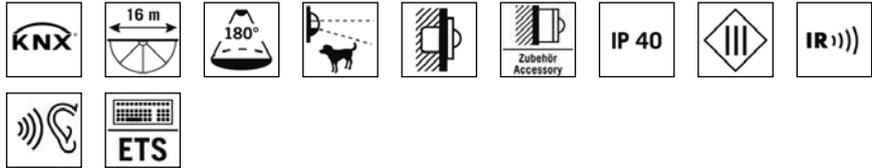
CIRCUIT DIAGRAMS

Standard operation

Order description	Order no.	EAN no.	PD-C180i KNX ECO

| PD-C180i KNX ECO | EP10426452 | 4015120426452 | |

- KNX Presence detector with 180° field of detection for wall mounting
- range of up to 16 m in the diameter at a recommended installation height of 1.1 - 2.2 m
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
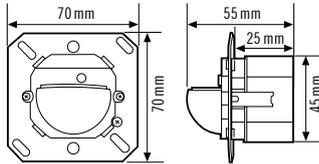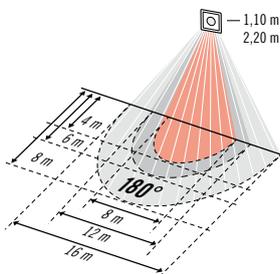- Parameter and function settings via ETS (Engineering Tool Software)

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-RCi-M and Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20, IP 44 depending on cover (order separately)
- Protection class: III
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm x Width 70 mm x Length 49 mm
- Installation dimension: Installation depth [mm] 20 mm, Installation hole size Ø 53 mm
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 m to 2,2 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value
- KNX input: manual light control, block objects, slave
- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: false
- Presence simulation: false
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds to 30 min
- Turn-on delay: disabled/2 min - 30 min
- Colour: white, similar to RAL 9010

SCALE DRAWING

70 mm · 70 mm · 55 mm · 25 mm · 45 mm

Accessories (detailed on page 246 - 271)

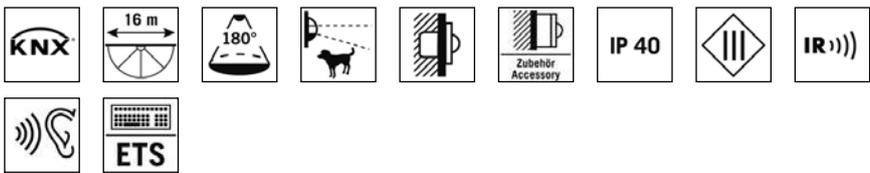|		
Mobil-RCi-M silver	EM10016011	4015120016011
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Cover IP 20 white	EM10055102	4015120055102
Cover IP 20 signal white	EM10055119	4015120055119
Cover IP 20 cream white	EM10055126	4015120055126
Cover IP 20 charcoal grey	EM10055133	4015120055133
Cover IP 20 stainless steel finish	EM10055140	4015120055140
Cover IP 20-SKK white	EM10055270	4015120055270
Cover IP 20-SKJ white	EM10055287	4015120055287
Cover IP 20-EXX white	EM10055294	4015120055294
Cover IP20-BS1 white	EP10427114	4015120427114
Cover IP20-BS1 polar	EP10427107	4015120427107
Cover IP20-BJSI white	EP10427145	4015120427145
Cover IP20-BM2 polar	EP10427121	4015120427121
Cover IP20-BJSI cream	EP10427152	4015120427152
Cover IP20-G55 white	EP10427169	4015120427169
Cover IP20-G55 cream	EP10427176	4015120427176
Cover IP 44 white	EM10055157	4015120055157
Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

Note: Order cover and remote control separately.
Note: The product database and application can be downloaded free of charge from www.esylux.com.

FIELDS OF DETECTION

— 1,10 m
2,20 m

4 m · 6 m · 8 m · 8 m · 12 m · 16 m

180°

Operating area
Head-on to detector
Passage area / diagonally to detector

CIRCUIT DIAGRAMS

− +

+ − KNX (TP)

Standard operation

PD-C 180i/16 TOUCH KNX

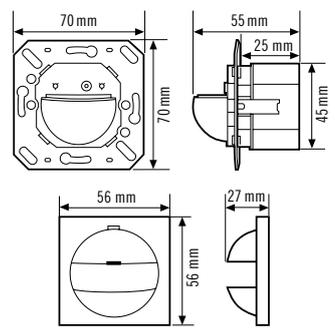| Order description	Order no.	EAN no.

- KNX Presence detector with 180° field of detection for wall mounting
- Simple touch operation by contact on the smoke alarm
- Range of up to 16 m in the diameter at a recommended installation height of 1.1 - 2.2 m
- In-built acoustic sensor perfect for use in areas with a complex layout
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)

	PD-C 180i/16 Touch KNX	EP10460104	4015120460104

SCALE DRAWING

70 mm
70 mm
55 mm
25 mm
45 mm

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-RCi-M and Mobil-PDi/MDi-universal remote controls (order separately), Manually by touch control
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20, IP 44 depending on cover (order separately)
- Protection class: III
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm x Width 70 mm x Depth 49 mm
- Installation dimension: Installation depth [mm] 20 mm, Installation hole size Ø 53
- Special product features: microphone, Lens lighting, choice of 7 colours
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 to 2,2 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, slave
- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, c2 offset from c1 (-50 % to +50 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds to 30 min
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Orientation light: disabled/0 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min - 250 min
- Switch-on delay channel 3: disabled/2 min - 30 min
- Switch-off delay channel 3: disabled/10 seconds/1 minute - 60 min.
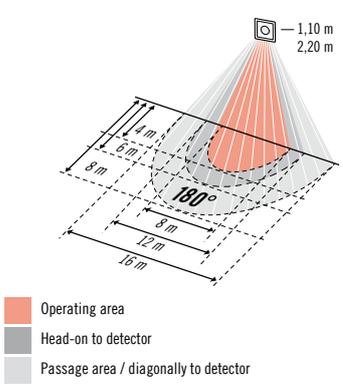- Colour: white, similar to RAL 9010

FIELDS OF DETECTION

— 1,10 m
2,20 m

4 m
6 m
8 m
180°
8 m
12 m
16 m

Operating area
Head-on to detector
Passage area / diagonally to detector

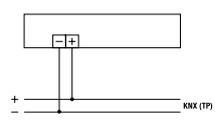### Accessories (detailed on page 246 - 271)

• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
• Cover IP 20 white	EM10055102	4015120055102
• Cover IP 20 signal white	EM10055119	4015120055119
• Cover IP 20 cream white	EM10055126	4015120055126
• Cover IP 20 charcoal grey	EM10055133	4015120055133
• Cover IP 20 stainless steel finish	EM10055140	4015120055140
• Cover IP 20-SKK white	EM10055270	4015120055270
• Cover IP 20-SKJ white	EM10055287	4015120055287
• Cover IP 20-EXX white	EM10055294	4015120055294
• Cover IP20-BS1 white	EP10427114	4015120427114
• Cover IP20-BS1 polar	EP10427107	4015120427107
• Cover IP20-BJSI white	EP10427145	4015120427145
• Cover IP20-BM2 polar	EP10427121	4015120427121
• Cover IP20-BJSI cream	EP10427152	4015120427152
• Cover IP20-G55 white	EP10427169	4015120427169
• Cover IP20-G55 cream	EP10427176	4015120427176
• Cover IP 44 white	EM10055157	4015120055157
• Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

Note: Order remote control separately.
Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

− +
+
−
KNX (TP)

Standard operation

Order description	Order no.	EAN no.	**PD-C 180i/16 TOUCH KNX SET SKJ**

- KNX Presence detector with 180° field of detection for wall mounting
- Simple touch operation by contact on the smoke alarm
- Range of up to 16 m in the diameter at a recommended installation height of 1.1 - 2.2 m
- In-built acoustic sensor perfect for use in areas with a complex layout
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
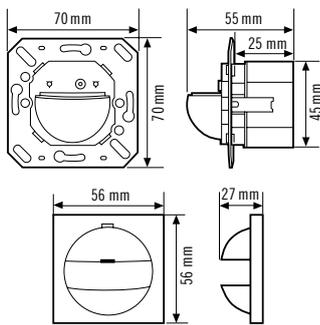- Parameter and function settings via ETS (Engineering Tool Software)

PD-C 180i/16 Touch KNX SET SKJ	EP10460128	4015120460128	

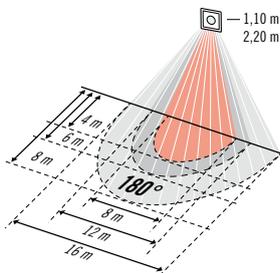### TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-RCi-M and Mobil-PDi/MDi-universal remote controls (order separately), Manually by touch control
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20, IP 44 depending on cover (order separately)
- Protection class: III
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm x Width 70 mm x Depth 49 mm
- Installation dimension: Installation depth 20 mm, Installation hole size Ø 53
- Special product features: microphone, Lens lighting, choice of 7 colours
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 to 2,2 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, slave
- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, c2 offset from c1 (-50 % to +50 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds to 30 min
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Orientation light: disabled/0 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min - 250 min
- Switch-on delay channel 3: disabled/2 min - 30 min
- Switch-off delay channel 3: disabled/10 seconds/1 minute - 60 min.
- Colour: white, similar to RAL 9010

SCALE DRAWING

Accessories (detailed on page 246 - 271)

• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
• Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

FIELD OF DETECTION

— 1,10 m
2,20 m

180°

Operating area

Head-on to detector

Passage area / diagonally to detector

Note: Order remote control separately.
Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

KNX (TP)

Standard operation

PD-C 180i/16 TOUCH KNX SET EXX

Order description	Order no.	EAN no.
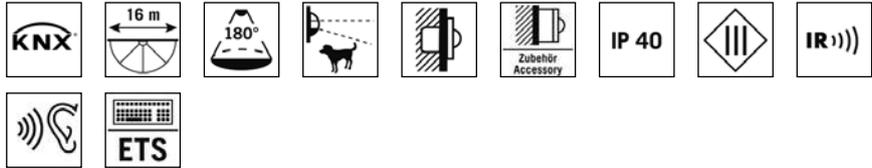
- KNX Presence detector with 180° field of detection for wall mounting
- Simple touch operation by contact on the smoke alarm
- Range of up to 16 m in the diameter at a recommended installation height of 1.1 - 2.2 m
- In-built acoustic sensor perfect for use in areas with a complex layout
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)

	PD-C 180i/16 Touch KNX SET EXX	EP10460142	4015120460142

4 015120 460142

SCALE DRAWING

70 mm
70 mm
55 mm
25 mm
45 mm
56 mm
56 mm
27 mm

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-RCi-M and Mobil-PDi/MDi-universal remote controls (order separately), Manually by touch control
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20, IP 44 depending on cover (order separately)
- Protection class: III
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm x Width 70 mm x Depth 49 mm
- Installation dimension: Installation depth 20 mm, Installation hole size Ø 53
- Special product features: microphone, Lens lighting, choice of 7 colours
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 to 2,2 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, slave
- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, c2 offset from c1 (-50 % to +50 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds to 30 min
- Orientation light: disabled/0 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min - 250 min
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Switch-on delay channel 3: disabled/2 min - 30 min
- Switch-off delay channel 3: disabled/10 seconds/1 minute - 60 min.
- Colour: white, similar to RAL 9010

FIELD OF DETECTION

1,10 m
2,20 m
4 m
6 m
8 m
180°
8 m
12 m
16 m

Operating area

Head-on to detector

Passage area / diagonally to detector

Accessories (detailed on page 246 - 271)

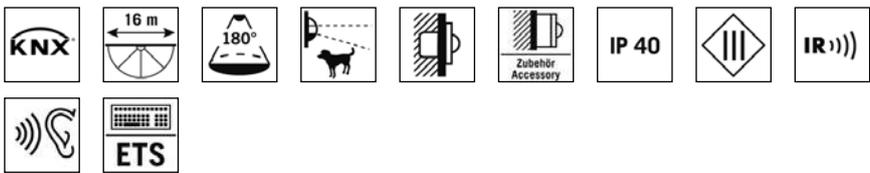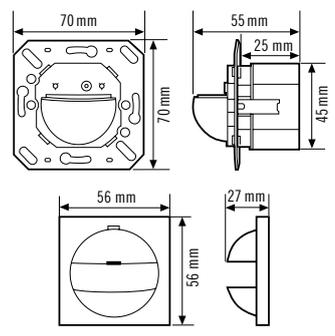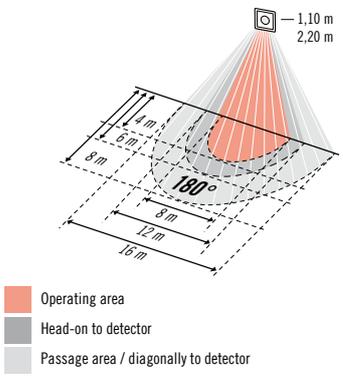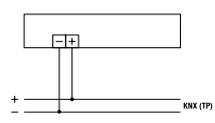|		
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

Note: Order remote control separately.
Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

– +
+
–
KNX (TP)

Standard operation

Order description	Order no.	EAN no.	PD-C 180i/16 TOUCH KNX SET SKK

- KNX Presence detector with 180° field of detection for wall mounting
- Simple touch operation by contact on the smoke alarm
- Range of up to 16 m in the diameter at a recommended installation height of 1.1 - 2.2 m
- In-built acoustic sensor perfect for use in areas with a complex layout
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
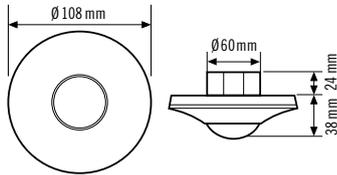- Parameter and function settings via ETS (Engineering Tool Software)

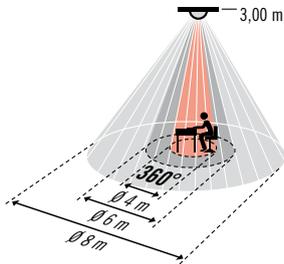|			
PD-C 180i/16 Touch KNX SET SKK	EP10460135	4015120460135	4 015120 460135

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-RCi-M and Mobil-PDi/MDi-universal remote controls (order separately), Manually by touch control
- Permissible ambient temperature: 5 °C …+35 °C
- Protection type: IP 20, IP 44 depending on cover (order separately)
- Protection class: III
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm x Width 70 mm x Depth 49 mm
- Installation dimension: Installation depth 20 mm, Installation hole size Ø 53
- Special product features: microphone, Lens lighting, choice of 7 colours
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 to 2,2 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux

- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, slave
- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, c2 offset from c1 (-50 % to +50 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds to 30 min
- Orientation light: disabled/0 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min - 250 min
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Switch-on delay channel 3: disabled/2 min - 30 min
- Switch-off delay channel 3: disabled/10 seconds/1 minute - 60 min.
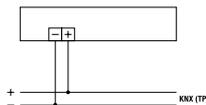- Colour: white, similar to RAL 9010

SCALE DRAWING

70 mm
70 mm
55 mm
25 mm
45 mm
56 mm
56 mm
27 mm

Accessories (detailed on page 246 - 271)

• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
• Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

FIELD OF DETECTION

1,10 m
2,20 m
4 m
6 m
8 m
180°
8 m
12 m
16 m

Operating area
Head-on to detector
Passage area / diagonally to detector

Note: Order remote control separately.
Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

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+
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KNX (TP)

Standard operation

PD-C360i/8 KNX UP

Order description	Order no.	EAN no.

- KNX Recessed ceiling presence detector with 360° field of detection
- Range of up to 8 m in diameter at a recommended installation height of 3 m (maximum mounting height 5 m)
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)

	PD-C360i/8 KNX UP white	EP10427404	4015120427404

SCALE DRAWING

Ø 108 mm
Ø 60mm
24 mm
38 mm 24 mm

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-PDi/User and Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20
- Protection class: III
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 62 mm, Ø 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: disabled/approx. 5 - 2000 lux

- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, reset, slave
- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, offset (-50 % to +50 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds/1 minute/12 hours
- Orientation light: disabled/10 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min - 250 min
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Switch-off delay channel 3: disabled/2 min - 30 min
- Switch-off delay channel 3: disabled/30 seconds/1 minute/12 hours
- Colour: white, similar to RAL 9010

FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

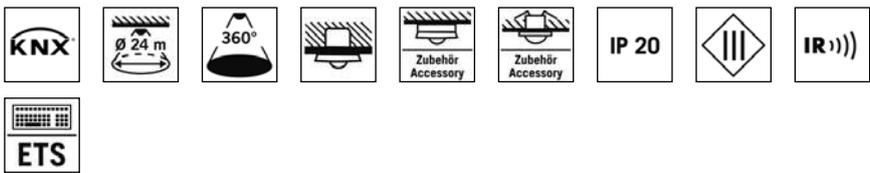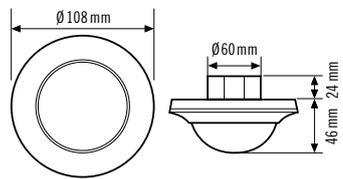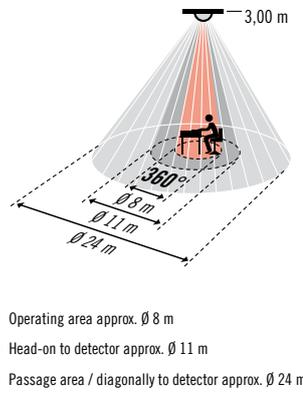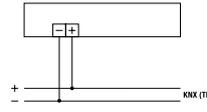|		
Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
Cover set C360/8 silver	EP10425936	4015120425936
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

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KNX (TP)

Standard operation

Order description	Order no.	EAN no.	**PD-C360i/24 KNX ECO UP**

- KNX Recessed ceiling presence detector with 360° field of detection
- Range of up to 24 m in the diameter at a recommended installation height of 3 m for convenience applications
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)
- Switching function makes it ideal for use in areas with ceilings of up to 10 m such as sports halls and warehouses
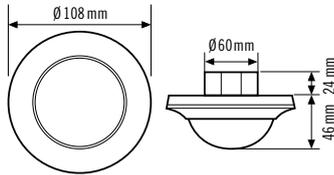
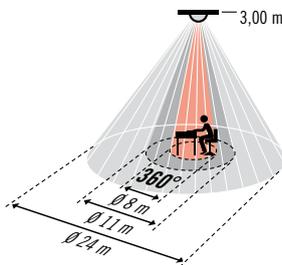| PD-C360i/24 KNX ECO UP white	EP10427435	4015120427435	

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-PDi/User and Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20
- Protection class: III
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm, Ø 108 mm
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 60 mm
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light

- Light value: disabled/approx. 5 - 2000 lux
- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value
- KNX input: manual light control, block objects, reset, slave
- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: false
- Presence simulation: false
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds/1 minute/12 hours
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 108 mm
Ø 60 mm
24 mm
46 mm

Accessories (detailed on page 246 - 271)

Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
Cover set C360/24 silver	EP10425431	4015120425431
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

FIELDS OF DETECTION

3,00 m
360°
Ø 8 m
Ø 11 m
Ø 24 m

Operating area approx. Ø 8 m

Head-on to detector approx. Ø 11 m

Passage area / diagonally to detector approx. Ø 24 m

Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

KNX (TP)

Standard operation

PD-C360i/24 KNX UP

Order description	Order no.	EAN no.

- KNX Recessed ceiling presence detector with 360° field of detection
- Range of up to 24 m in the diameter at a recommended installation height of 3 m for convenience applications
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)
- Switching function makes it ideal for use in areas with ceilings of up to 10 m such as sports halls and warehouses

	PD-C360i/24 KNX UP white	EP10427428	4015120427428

SCALE DRAWING

Ø 108 mm

Ø 60 mm

24 mm

46 mm

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-PDi/User and Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20
- Protection class: III
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm, Ø 108 mm
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 60 mm
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: disabled/approx. 5 - 2000 lux
- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC

- KNX input: manual light control, block objects, reset, slave
- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, offset (-50 % to +50 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds/1 minute/12 hours
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.−1 hours
- Orientation light: disabled/10 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min - 250 min
- Switch-on delay channel 3: disabled/2 min - 30 min
- Switch-off delay channel 3: disabled/30 seconds/1 minute/12 hours
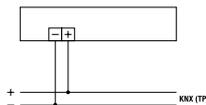- Colour: white, similar to RAL 9010

FIELDS OF DETECTION

3,00 m

360°
Ø 8 m
Ø 11 m
Ø 24 m

Operating area approx. Ø 8 m

Head-on to detector approx. Ø 11 m

Passage area / diagonally to detector approx. Ø 24 m

Accessories (detailed on page 246 - 271)

Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
Cover set C360/24 silver	EP10425431	4015120425431
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

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KNX (TP)

Standard operation

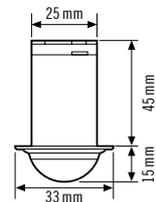| Order description	Order no.	EAN no.	**PD-C360i/8 MINI KNX**

- KNX Mini presence detector with 360° field of detection for recessed ceiling mounting
- range of up to 8 m in the diameter at a recommended installation height of 3 m
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)

| PD-C360i/8 mini KNX opal matt | EP10426155 | 4015120426155 | |

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-PDi/User and Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 55
- Protection class: III
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 60 mm, Ø 33 mm
- Installation dimension: Installation depth 45 mm, Installation hole size Ø 25 mm
- Supply line: approx. 20 cm, including plug
- Included in delivery: includes lens mask, spring installation clips, clamping installation ring
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: disabled/approx. 5 - 2000 lux

- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, reset, slave
- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, c2 offset from c1 (-80 % to +80 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 sec. - 12 hours
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Orientation light: disabled/10 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min - 250 min
- Switch-on delay channel 3: disabled/2 min - 30 min
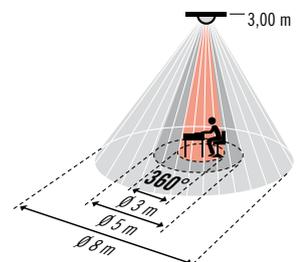- Switch-off delay channel 3: disabled/10 seconds/1 minute/12 hours
- Colour: Opal matt

SCALE DRAWING

25 mm
33 mm
45 mm
15 mm

Accessories (detailed on page 246 - 271)

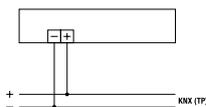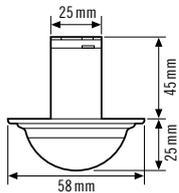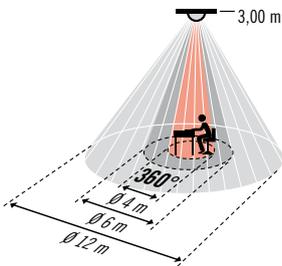|		
• Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Spotlight adapter 51/25, opal matt	EP10426391	4015120426391

FIELD OF DETECTION

3,00 m
360°
Ø 3 m
Ø 5 m
Ø 8 m

■ Operating area approx. Ø 3 m

■ Head-on to detector approx. Ø 5 m

□ Passage area / diagonally to detector approx. Ø 8 m

Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

KNX (TP)

Standard operation

PD-C360i/12 MINI KNX

Order description	Order no.	EAN no.

- KNX Mini presence detector with 360° field of detection for recessed ceiling mounting.
- range of up to 12 m in the diameter at a recommended installation height of 3 m
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)

	PD-C360i/12 mini KNX opal matt	EP10426162	4015120426162

SCALE DRAWING

25 mm
45 mm
25 mm
58 mm

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-PDi/User and Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 55
- Protection class: III
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm, Ø 58 mm
- Installation dimension: Installation depth 45 mm, Installation hole size Ø 25 mm
- Supply line: approx. 20 cm, including plug
- Included in delivery: includes lens mask, spring installation clips, clamping installation ring
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 12 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light

- Light value: disabled/approx. 5 - 2000 lux
- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, reset, slave
- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, c2 offset from c1 (-80 % to +80 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 sec. - 12 hours
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.—1 hours
- Orientation light: disabled/10 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min - 250 min
- Switch-on delay channel 3: disabled/2 min - 30 min
- Switch-off delay channel 3: disabled/10 seconds/1 minute/12 hours
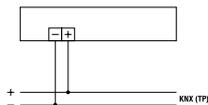- Colour: Opal matt

FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 12 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 12 m

Accessories (detailed on page 246 - 271)

Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Spotlight adapter 51/25, opal matt	EP10426391	4015120426391

Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

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KNX (TP)

Standard operation

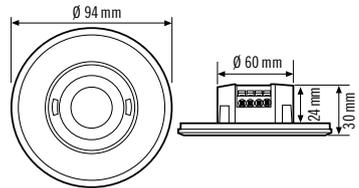| Order description | Order no. | EAN no. | **PD-FLAT 360i/8 RW KNX** |

- KNX Design recessed ceiling-mounted presence detector with 360° field of detection
- Range of approx. 8 m in diameter at a recommended installation height of 3 m (maximum height 5 m)
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)
- Low profile design with plastic design covers: round, white - variably interchangeable

| PD-FLAT 360i/8 RW KNX | EP10451706 | 4015120451706 | 4 015120 451706 |

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-PDi/User and Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20
- Protection class: III
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: approx. 5 - 10000 lux
- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, reset, slave

- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, offset (-50 % to +50 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds/1 minute/12 hours
- **Exit: Presence**
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Orientation light: disabled/10 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min – 250 min
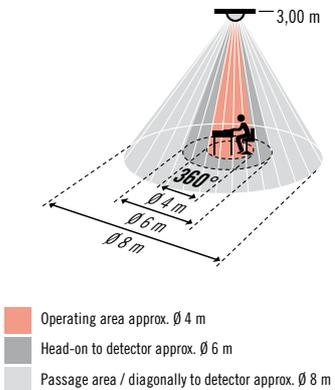- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 94 mm

Ø 60 mm

24 mm

30 mm

Accessories (detailed on page 246 - 271)
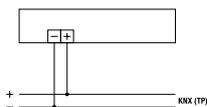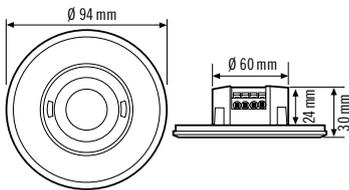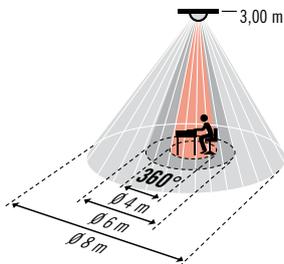
Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Recessed ceiling mounting kit PD-F	EP10426889	4015120426889
Basket guard 165/70 white	EM10425615	4015120425615

FIELD OF DETECTION

3,00 m

360°

Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

KNX (TP)

Standard operation

PD-FLAT 360i/8 RB KNX

Order description	Order no.	EAN no.

- KNX Design recessed ceiling-mounted presence detector with 360° field of detection
- Range of approx. 8 m in Ø at a recommended installation height of 3 m (maximum height 5 m)
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)
- Low profile design with plastic design covers: round, black - variably interchangeable

	PD-FLAT 360i/8 RB KNX	EP10451768	4015120451768
4 015120 451768			

SCALE DRAWING

Ø 94 mm
Ø 60 mm
24 mm
30 mm

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-PDi/User and Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20
- Protection class: III
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68 mm
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: approx. 5 - 10000 lux
- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, reset, slave

- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, offset (-50 % to +50 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds/1 minute/12 hours
- Orientation light: disabled/10 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min - 250 min
- **Exit: Presence**
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Colour: black, similar to RAL 9004

FIELDS OF DETECTION
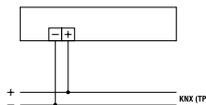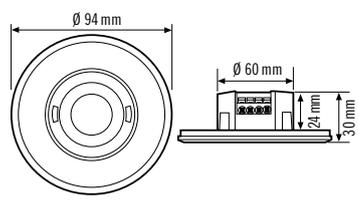
3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

■ Operating area approx. Ø 4 m

■ Head-on to detector approx. Ø 6 m

☐ Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

• Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Recessed ceiling mounting kit PD-F	EP10426889	4015120426889
• Basket guard 165/70 white	EM10425615	4015120425615

Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

− +
+
−
KNX (TP)

Standard operation

Order description	Order no.	EAN no.	**PD-FLAT 360i/8 RG KNX**

- KNX Design recessed ceiling-mounted presence detector with 360° field of detection
- Range of approx. 8 m in Ø at a recommended installation height of 3 m (maximum height 5 m)
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)
- Low profile design with plastic design covers: round, grey - variably interchangeable

| PD-FLAT 360i/8 RG KNX | EP10451799 | 4015120451799 | |

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-PDi/User and Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20
- Protection class: III
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68 mm
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: approx. 5 - 10000 lux
- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, reset, slave

- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, offset (-50 % to +50 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds/1 minute/12 hours
- **Exit: Presence**
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Orientation light: disabled/10 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min - 250 min
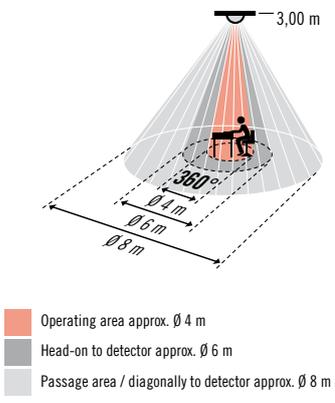- Colour: Concrete grey, similar to RAL 7023

SCALE DRAWING

Ø 94 mm
Ø 60 mm
24 mm
30 mm

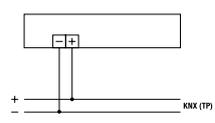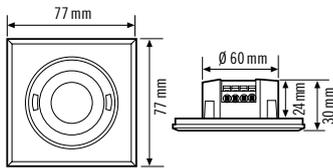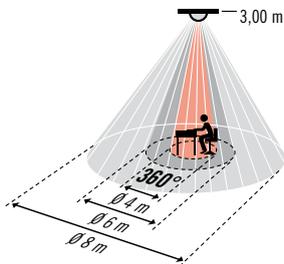## Accessories (detailed on page 246 - 271)

Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Recessed ceiling mounting kit PD-F	EP10426889	4015120426889
Basket guard 165/70 white	EM10425615	4015120425615

FIELDS OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m
Head-on to detector approx. Ø 6 m
Passage area / diagonally to detector approx. Ø 8 m

Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

KNX (TP)

Standard operation

PD-FLAT 360i/8 SW KNX

| Order description | Order no. | EAN no. |

- KNX Design recessed ceiling-mounted presence detector with 360° field of detection
- Range of approx. 8 m in Ø at a recommended installation height of 3 m (maximum height 5 m)
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)
- Low profile design with plastic design covers: square, white - variably interchangeable

| | PD-FLAT 360i/8 SW KNX | EP10451713 | 4015120451713 |

SCALE DRAWING

77 mm
77 mm
Ø 60 mm
24 mm
30 mm

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-PDi/User and Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20
- Protection class: III
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: approx. 5 - 10000 lux
- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, reset, slave

- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, offset (-50 % to +50 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds/1 minute/12 hours
- **Exit: Presence**
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Orientation light: disabled/10 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min - 250 min
- Colour: white, similar to RAL 9010

FIELD OF DETECTION
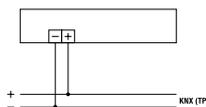
3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

- Operating area approx. Ø 4 m
- Head-on to detector approx. Ø 6 m
- Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Recessed ceiling mounting kit PD-F	EP10426889	4015120426889
Basket guard 165/70 white	EM10425615	4015120425615

Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

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KNX (TP)

Standard operation

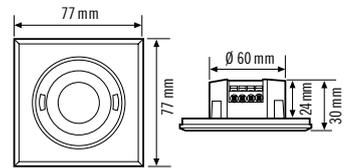| Order description	Order no.	EAN no.	PD-FLAT 360i/8 SB KNX

- KNX Design recessed ceiling-mounted presence detector with 360° field of detection
- Range of approx. 8 m in Ø at a recommended installation height of 3 m (maximum height 5 m)
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)
- Low profile design with plastic design covers: square, black - variably interchangeable

PD-FLAT 360i/8 SB KNX	EP10451775	4015120451775	

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-PDi/User and Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20
- Protection class: III
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: approx. 5 - 10000 lux
- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, reset, slave

- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, offset (-50 % to +50 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds/1 minute/12 hours
- **Exit: Presence**
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Orientation light: disabled/10 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min – 250 min
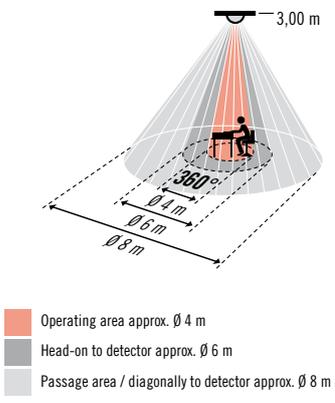- Colour: black, similar to RAL 9004

SCALE DRAWING

77 mm
77 mm
Ø 60 mm
24 mm
30 mm

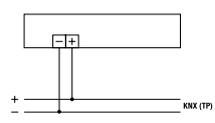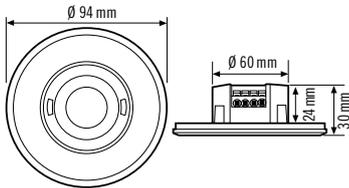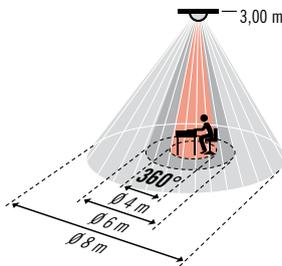## Accessories (detailed on page 246 - 271)

Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Recessed ceiling mounting kit PD-F	EP10426889	4015120426889
Basket guard 165/70 white	EM10425615	4015120425615

FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

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KNX (TP)

Standard operation

PD-FLAT 360i/8 GRW KNX

Order description	Order no.	EAN no.

- KNX Design recessed ceiling-mounted presence detector with 360° field of detection
- Range of approx. 8 m in Ø at a recommended installation height of 3 m (maximum height 5 m)
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)
- Low profile design with glass design covers: round, white - variably interchangeable

	PD-FLAT 360i/8 GRW KNX	EP10451720	4015120451720

4 015120 451720

SCALE DRAWING

Ø 94 mm
Ø 60 mm
24 mm
30 mm

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-PDi/User and Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20
- Protection class: III
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: approx. 5 - 10000 lux
- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, reset, slave
- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, offset (-50 % to +50 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds/1 minute/12 hours
- Orientation light: disabled/10 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min - 250 min
- **Exit: Presence**
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Colour: white, similar to RAL 9010
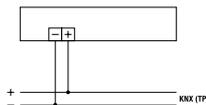
FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)

• Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Recessed ceiling mounting kit PD-F	EP10426889	4015120426889
• Basket guard 165/70 white	EM10425615	4015120425615

Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

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KNX (TP)

Standard operation

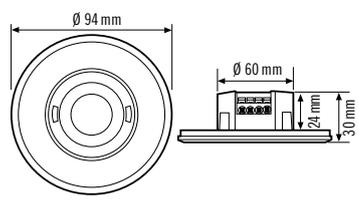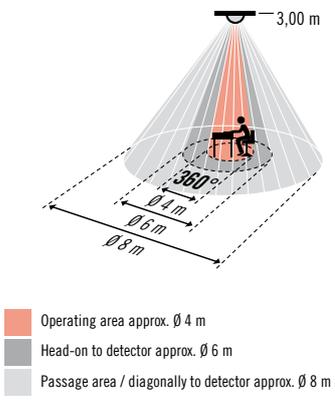| Order description	Order no.	EAN no.	**PD-FLAT 360i/8 GRB KNX**

- KNX Design recessed ceiling-mounted presence detector with 360° field of detection
- Range of approx. 8 m in Ø at a recommended installation height of 3 m (maximum height 5 m)
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)
- Low profile design with glass design covers: round, black – variably interchangeable

| PD-FLAT 360i/8 GRB KNX | EP10451744 | 4015120451744 | |

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-PDi/User and Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20
- Protection class: III
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 68 mm
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: approx. 5 - 10000 lux
- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, reset, slave

- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, offset (-50 % to +50 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds/1 minute/12 hours
- Orientation light: disabled/10 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min – 250 min
- **Exit: Presence**
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Colour: black, similar to RAL 9004
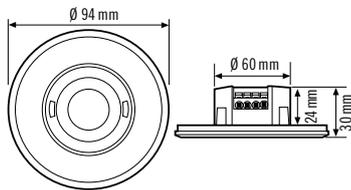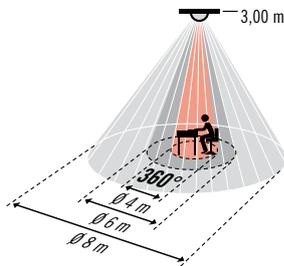
Accessories (detailed on page 246 - 271)

Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Recessed ceiling mounting kit PD-F	EP10426889	4015120426889
Basket guard 165/70 white	EM10425615	4015120425615

FIELDS OF DETECTION

Operating area approx. Ø 4 m
Head-on to detector approx. Ø 6 m
Passage area / diagonally to detector approx. Ø 8 m

Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

KNX (TP)
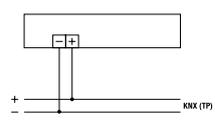
Standard operation

PD-FLAT 360i/8 GRG KNX

Order description	Order no.	EAN no.

- KNX Design recessed ceiling-mounted presence detector with 360° field of detection
- Range of approx. 8 m in Ø at a recommended installation height of 3 m (maximum height 5 m)
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)
- Low profile design with glas design covers: round, grey - variably interchangeable

	PD-FLAT 360i/8 GRG KNX	EP10451782	4015120451782

4 015120 451782

SCALE DRAWING

Ø 94 mm
Ø 60 mm
24 mm
30 mm

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-PDi/User and Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20
- Protection class: III
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: approx. 5 - 10000 lux
- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, reset, slave

- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, offset (-50 % to +50 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds/1 minute/12 hours
- Orientation light: disabled/10 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min - 250 min
- **Exit: Presence**
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Colour: Concrete grey, similar to RAL 7023
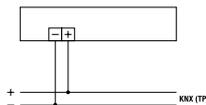
FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m
Head-on to detector approx. Ø 6 m
Passage area / diagonally to detector approx. Ø 8 m

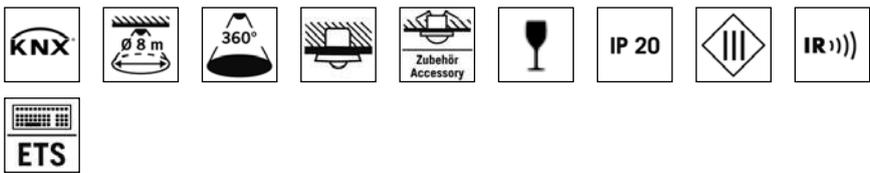### Accessories (detailed on page 246 - 271)

Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Recessed ceiling mounting kit PD-F	EP10426889	4015120426889
Basket guard 165/70 white	EM10425615	4015120425615

Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

– +
+
–
KNX (TP)

Standard operation

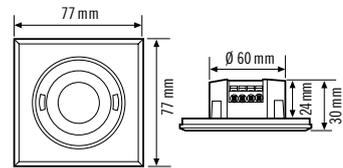| Order description	Order no.	EAN no.	**PD-FLAT 360i/8 GSW KNX**

- KNX Design recessed ceiling-mounted presence detector with 360° field of detection
- Range of approx. 8 m in Ø at a recommended installation height of 3 m (maximum height 5 m)
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)
- Low profile design with glass design covers: square, white - variably interchangeable

PD-FLAT 360i/8 GSW KNX	EP10451737	4015120451737	4 015120 451737

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-PDi/User and Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20
- Protection class: III
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: approx. 5 - 10000 lux
- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, reset, slave

- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, offset (-50 % to +50 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds/1 minute/12 hours
- **Exit: Presence**
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Orientation light: disabled/10 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min – 250 min
- Colour: white, similar to RAL 9010

SCALE DRAWING
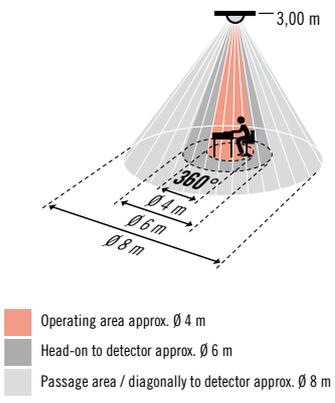
77 mm
77 mm
Ø 60 mm
24 mm
30 mm

Accessories (detailed on page 246 - 271)
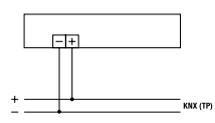
Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Recessed ceiling mounting kit PD-F	EP10426889	4015120426889
Basket guard 165/70 white	EM10425615	4015120425615

FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

KNX (TP)

Standard operation

PD-FLAT 360i/8 GSB KNX

Order description	Order no.	EAN no.

- KNX Design recessed ceiling-mounted presence detector with 360° field of detection
- Range of approx. 8 m in Ø at a recommended installation height of 3 m (maximum height 5 m)
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)
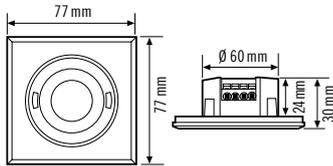- Low profile design with glass design covers: square, black - variably interchangeable

	PD-FLAT 360i/8 GSB KNX	EP10451751	4015120451751

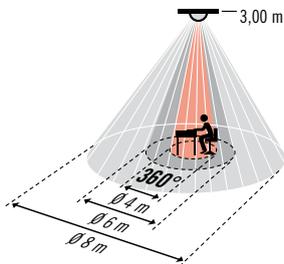4 015120 451751

SCALE DRAWING

77 mm
77 mm
Ø 60 mm
24 mm
30 mm

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-PDi/User and Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20
- Protection class: III
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 68 mm
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: approx. 5 - 10000 lux
- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, reset, slave

- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, offset (-50 % to +50 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds/1 minute/12 hours
- **Exit: Presence**
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Orientation light: disabled/10 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min - 250 min
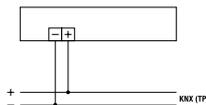- Colour: black, similar to RAL 9004

FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

	Operating area approx. Ø 4 m
	Head-on to detector approx. Ø 6 m
	Passage area / diagonally to detector approx. Ø 8 m

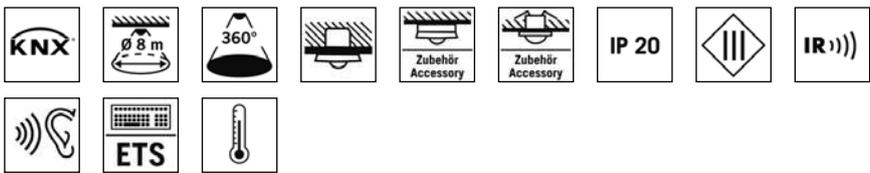### Accessories (detailed on page 246 - 271)

• Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Recessed ceiling mounting kit PD-F	EP10426889	4015120426889
• Basket guard 165/70 white	EM10425615	4015120425615

Note: The product database and application can be downloaded free of charge from www.esylux.com.

CIRCUIT DIAGRAMS

KNX (TP)

Standard operation

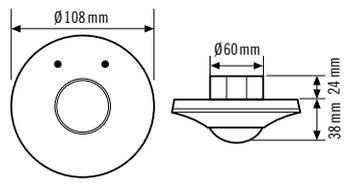| Order description	Order no.	EAN no.	**PD-ATMO 360i/8 T KNX**

- KNX Recessed ceiling presence detector with 360° field of detection
- Range of up to 8 m in the diameter at a recommended installation height of 3 m
- In-built acoustic sensor perfect for use in areas with a complex layout
- Additional measurement of the ambient temperature
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)

| PD-ATMO 360i/8 T KNX white | EP10427213 | 4015120427213 | |

4 015120 427213

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Standby consumption: < 0.3 W
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-PDi/User and Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20
- Protection class: III
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 62 mm x Width 108 mm x Length 108 mm
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 60 mm
- Included in delivery: includes lens mask
- Special product features: microphone, Lens lighting, choice of 7 colours, Temperature measurement
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes, device can be configured as master or slave

- Light measurement: mixed light
- Light value: disabled/approx. 5 - 2000 lux
- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, reset, slave
- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, c2 offset from c1 (-100 % to +100 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds/1 minute/12 hours
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Orientation light: disabled/10 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min - 250 min
- Switch-on delay channel 3: disabled/2 min - 30 min
- Switch-off delay channel 3: disabled/30 seconds/1 minute/12 hours
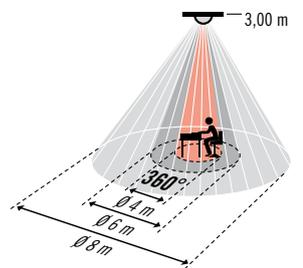- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 108 mm

Ø 60 mm

24 mm

38 mm

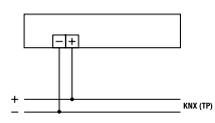## Accessories (detailed on page 246 - 271)

Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

FIELDS OF DETECTION

3,00 m

360°

Ø 4 m
Ø 6 m
Ø 8 m

■ Operating area approx. Ø 4 m

■ Head-on to detector approx. Ø 6 m

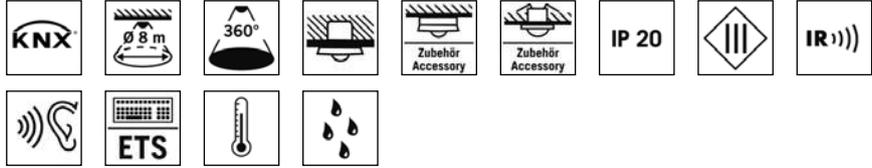■ Passage area / diagonally to detector approx. Ø 8 m

CIRCUIT DIAGRAMS

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+
–
KNX (TP)

Standard operation

PD-ATMO 360i/8 A KNX

Order description	Order no.	EAN no.

- KNX Recessed ceiling presence detector with 360° field of detection
- Range of up to 8 m in the diameter at a recommended installation height of 3 m
- In-built acoustic sensor perfect for use in areas with a complex layout
- Additional measurement of the ambient temperature and relative humidity
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
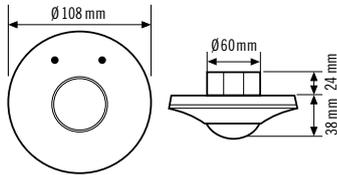- Parameter and function settings via ETS (Engineering Tool Software)

PD-ATMO 360i/8 A KNX white	EP10427206	4015120427206

4 015120 427206

SCALE DRAWING

Ø 108 mm
Ø 60mm
38 mm 24 mm
24 mm

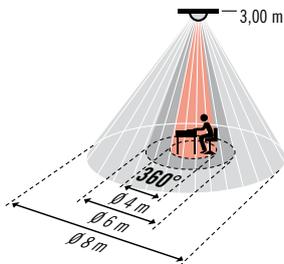## TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Power consumption: 6 mA
- Standby consumption: < 0.3 W
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-PDi/User and Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20
- Protection class: III
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 62 mm x Width 108 mm x Length 108 mm
- Installation dimension: Installation depth [mm] 24 mm, Installation hole size Ø 60 mm
- Included in delivery: includes lens mask
- Special product features: microphone, Lens lighting, choice of 7 colours relative humidity Temperature measurement
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light

- Light value: disabled/approx. 5 - 2000 lux
- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, reset, slave
- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, c2 offset from c1 (-100 % to +100 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds/1 minute/12 hours
- Orientation light: disabled/10 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min - 250 min
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.—1 hours
- Switch-on delay channel 3: disabled/2 min - 30 min
- Switch-off delay channel 3: disabled/30 seconds/1 minute/12 hours
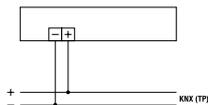- Colour: white, similar to RAL 9010

FIELDS OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

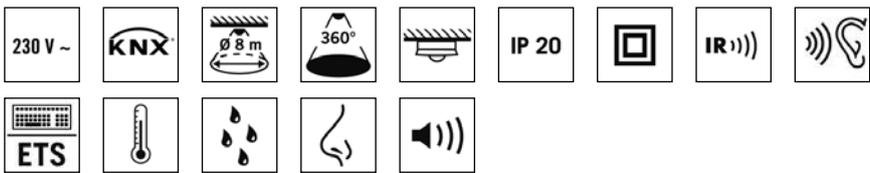## Accessories (detailed on page 246 - 271)

Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

CIRCUIT DIAGRAMS

– +
+
–
KNX (TP)

Standard operation

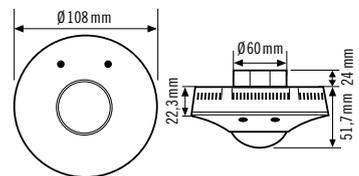| Order description	Order no.	EAN no.	**PD-ATMO 360i/8 O KNX**

- KNX Recessed ceiling presence detector with 360° field of detection
- Range of up to 8 m in the diameter at a recommended installation height of 3 m
- In-built acoustic sensor perfect for use in areas with a complex layout
- Additional measurement of the ambient temperature, relative humidity and the VOC
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)

PD-ATMO 360i/8 O KNX white	EP10427220	4015120427220	

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Power consumption: 10 mA
- Standby consumption: < 1 W
- Setting options: remotely with ETS-Software, temporarily electronically by infrared Mobil-PDi/User and Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 5 °C ...+35 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 76 mm x Width 108 mm x Length 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 60 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Special product features: microphone, Lens lighting, choice of 7 colours, VOC measurement, relative humidity, temperature measurement, visual and acoustic alarming
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Field of detection: 360°

- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes, device can be configured as master or slave
- Light measurement: mixed light
- Light value: disabled/approx. 5 - 2000 lux
- Bus voltage: 29 - 31 V = (KNX)
- KNX output: presence, status, light value, HVAC
- KNX input: manual light control, block objects, reset, slave
- Sensitivity configurable via ETS: yes
- **Light channel:** c1 + c2 switching/dimming, c2 offset from c1 (-100 % to +100 %)
- Sends a telegram at regular intervals: yes
- Master/slave function: true
- Constant light control: true
- Presence simulation: true
- Manual override: Yes, manual, yes, via IR
- Night-light feature: yes
- Interface: KNX
- Switch-off delay time: disabled/30 seconds/1 minute/12 hours
- Orientation light: disabled/10 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: only in controlling modus: continuous lighting/1 min - 250 min
- Turn-on delay: disabled/2 min - 30 min
- Switch-off delay channel 2: 10 sec.–1 hours
- Switch-on delay channel 3: disabled/2 min - 30 min
- Switch-off delay channel 3: disabled/30 seconds/1 minute/12 hours
- Colour: white, similar to RAL 9010

SCALE DRAWING

FIELD OF DETECTION

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

Accessories (detailed on page 246 - 271)
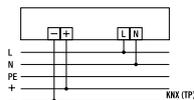
Mobil-PDi/User silver/metallic green	EM10425547	4015120425547
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Basket guard 180/90 white	EM10425608	4015120425608

CIRCUIT DIAGRAMS

Standard operation

12 – 36 V

PRESENCE AND MOTION DETECTORS

Compatibility is the be-all and end-all of modern building automation. Flexibility and adaptability are essential in order to achieve optimum energy efficiency on the basis of centralised and cross-component building control. This is why ESYLUX allows planners and installation technicians to use the high performance of the ESYLUX technology standard in the low voltage range as well. The particularly flexible presence and motion detectors with UC (universal current) interface technology are compatible with all standard PLC and miniature control systems in the 12–36 V range, for both DC and AC voltage. This means that large developers and system integrators can also rely on proven ESYLUX quality to find the ideal solution for their needs.

CONTENTS

PRESENCE/MOTION DETECORS
12 - 36 V

Product designation		MD-C360i/6 mini 12 V	PD-C360i/8 DC24Vplus	PD-C360i/24 DC24Vplus
Item number		EP10425776	EP10425349	EP10425318
Mains voltage		12 V DC	12 - 24 V DC	12 - 24 V DC
Approx. power consumption		< 0.3 W	< 0.3 W	< 0.3 W
Field of detection		360°	360°	360°
Range [m]		6	8	24
Rec. installation height		3	3	3
Rec. Max. mounting height		5	5	10
Installation type		Recessed ceiling mounting, wall mounting**	Ceiling mounting	Ceiling mounting
Protection type		IP 65	recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*	recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*
Analogue output		-	0 - 10 V DC	0 - 10 V DC
Slave input		no	yes	yes
Channel 1: Lighting				
Interface		Switching	switching/dimming	switching/dimming
Contact		make contact/floating	make contact/non-floating	make contact/non-floating
Switching capacity channel 1		12 V DC/3 A	12 V DC/2 A	12 V DC/2 A
Switch input		no	yes	yes
Orientation light		-	-	
Channel 2: HVAC				
Contact		-	make contact/non-floating	make contact/non-floating
Channel 3				
Switching capacity channel 2		-	12 - 24 V DC / 2 A	12 - 24 V DC / 2 A
Contact		-	make contact/non-floating	make contact/non-floating
SEE PAGE		**118**	**119**	**220**

* order separately
** switch manufacturer accessory
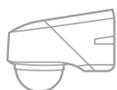
|	RC 230i UC	PD-C180i/16 UC	PD-C360i/8 UC	PD-C360i/8 mini UC	PD-C360i/24 UC	PD-CE360i/24 UC
	EM10015649	EP10427305	EP10427312	EP10427343	EP10427329	EP10427336
	12 - 36 V DC, 12 - 24 V AC	12 - 36 V UC (AC/DC)	12 - 36 V UC (AC/DC)	12 - 36 V UC (AC/DC)	12 - 36 V UC (AC/DC)	12 - 36 V UC (AC/DC)
	< 0.3 W	< 0.3 W	< 0.3 W	< 0.3 W	< 0.3 W	< 0.3 W
	230° (2 x 115° separately adjustable) and 360° anti-creep protection	180° horizontal, 60° vertical	360°	360°	360°	360°
	20	16	8	8	24	24
	2.5	1.1	3	3	3	3
	-	2.2	5	5	10	5
	Ceiling and wall mounting, mounting on inner and outer corners possible with accessories	Wall mounting	Ceiling mounting	Recessed ceiling mounting	Ceiling mounting	Recessed ceiling mounting
	IP 54	IP 20, IP 44 by cover*	recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*	IP 55	recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box*, IP 20 as ceiling-mounted version*	IP 40
	-	0 - 10 V DC	0 - 10 V DC	0 - 10 V DC	0 - 10 V DC	0 - 10 V DC
	no	no	no	no	no	no
	Switching	switching/dimming	switching/dimming	switching/dimming	switching/dimming	switching/dimming
	make contact/floating	make contact/floating	make contact/floating	make contact/floating	make contact/floating	make contact/floating
	-	12 - 36 V UC (AC/DC), 2 A	12 - 36 V UC (AC/DC), 2 A	12 - 36 V UC (AC/DC), 2 A	12 - 36 V UC (AC/DC), 2 A	12 - 36 V UC (AC/DC), 2 A
	no	yes	yes	yes	yes	yes
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	222	**223**	**224**	**225**	**226**	**227**

MD-C360i/6 MINI 12V

Order description	Order no.	EAN no.

12 V DC | **Ø 6 m** | **360°** | **c1** | | | **Accessory** | **IP 65** | **III**

IR)) | **blue mode**
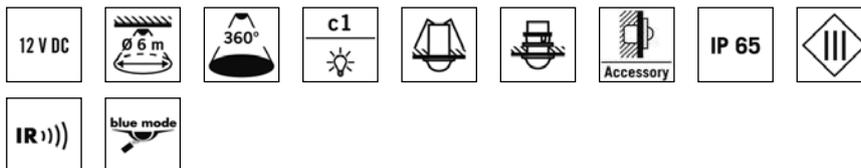
- 12 V DC mini motion detector 360° field of detection for recessed ceiling and wall mounting
- range of up to 6 m in diameter for use in small damp rooms, toilets, small offices, corridors, special applications, caravans and automobile industry
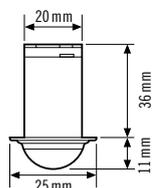- Default settings ensure immediate operability

|	MD-C360i/6 mini 12V opal matt	EP10425776	4015120425776

4 015120 425776

SCALE DRAWING

20 mm
36 mm
11 mm
25 mm

TECHNICAL DATA

- Mains voltage: 12 V DC
- Setting options: electronically by infrared Mobil-PDi DUO/MDi remote control (order separately)
- Permissible ambient temperature: -10 °C ...+50 °C
- Protection type: IP 65
- Protection class: III
- Installation type: Recessed ceiling mounting, wall mounting (switch manufacturer accessory)
- Housing material: UV-stabilised PE
- Approx. dimensions: Height 47 mm, Ø 25 mm
- Installation dimension: Installation depth 36 mm, Installation hole size Ø 20 mm
- Supply line: 1.5 m (3 x 0.75 single conductor)
- Included in delivery: includes lens mask, spring installation clips, clamping installation ring
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Approx. power consumption: < 0.3 W
- Field of detection: 360°

- Range: approx. 6 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Light measurement: mixed light
- Light value: approx. 10 lux - daytime operation
- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/floating
- Switching capacity channel 1: 12 V DC/3 A
- Switch input: no
- Switch-off delay time: impulse/approx. 1 minute – 15 minutes
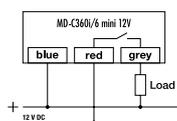- Colour: Opal matt

FIELD OF DETECTION

3,00 m
360°
Ø 2,5 m
Ø 6 m
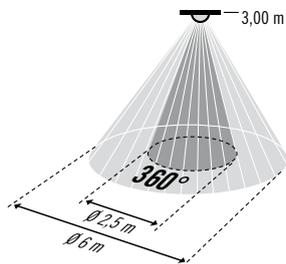
Head-on to detector approx. Ø 2.5 m

Passage area / diagonally to detector approx. Ø 6 m

Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Spotlight adapter 51/20, opal matt	EP10426384	4015120426384

CIRCUIT DIAGRAMS
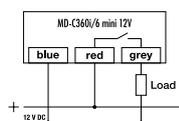
MD-C360i/6 mini 12V
blue | red | grey
Load
+ 12 V DC

MD-C360i/6 mini 12V
blue | red | grey
Load
+ 12 V DC

Standard operation PNP

NPN

Order description	Order no.	EAN no.	**PD-C360i/8 DC24Vplus**

- Presence detector for 12 - 24 V DC with 360° field of detection for ceiling mounting
- Range of up to 8 m in diameter at a recommended installation height of 3 m (maximum height 5 m) for use in small rooms and passageways with natural lighting
- Additional HVAC switch contact (channel 2) for controlling heating, ventilation and air conditioning depending on presence
- Default settings ensure immediate operability

PD-C360i/8 DC24Vplus white	EP10425349	4015120425349	

TECHNICAL DATA

- Mains voltage: 12 - 24 V DC
- Approx. power consumption: < 0.3 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/MDi-universal remote controls (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: III
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 38 mm, Ø 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 60 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS

- Silicone-free housing: yes
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: yes
- Analogue output: 0 - 10 V DC
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: switching/dimming
- Contact: make contact/non-floating
- Switching capacity channel 1: 12 - 24 V =/2 A
- Switch input: yes
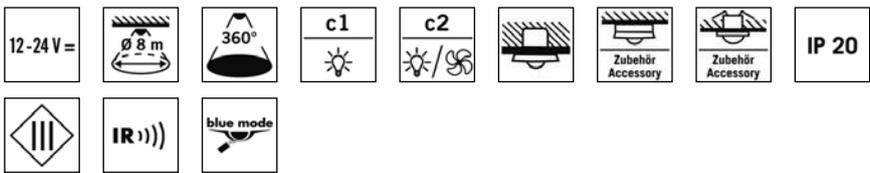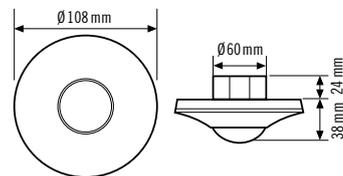- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- **Channel 2: HVAC**
- Switching capacity channel 2: 12 - 24 V =/2 A
- Contact: make contact/non-floating
- Switch-off delay channel 2: impulse/approx. 5 minute – 120 minutes
- Colour: white, similar to RAL 9010

SCALE DRAWING
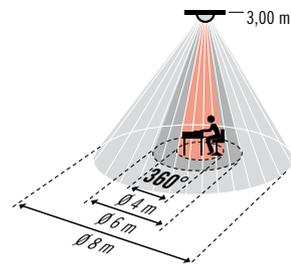
Ø 108 mm Ø 60 mm 24 mm 38 mm

Accessories (detailed on page 246 - 271)

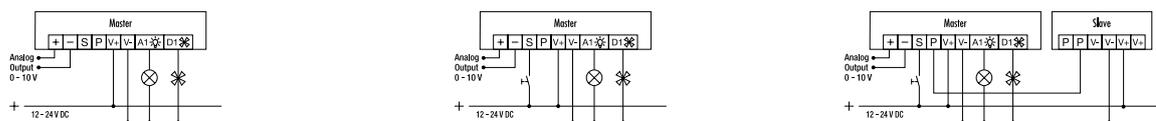|		
• PD-C360/24 DC24V Slave white	EP10425325	4015120425325
• Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Surface-mounted box-C IP 20 white	EP10425370	4015120425370
• Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
• Surface-mounted box-C IP 54 white	EP10425905	4015120425905
• Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
• Cover set C360/8 silver	EP10425936	4015120425936
• Ceiling recessed-mounted set-C white	EP10425929	4015120425929
• Basket guard 165/70 white	EM10425615	4015120425615
• Basket guard 180/90 white	EM10425608	4015120425608

FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

■ Operating area approx. Ø 4 m
■ Head-on to detector approx. Ø 6 m
□ Passage area / diagonally to detector approx. Ø 8 m

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

PD-C360i/24 DC24Vplus

Order description	Order no.	EAN no.

12 - 24 V = Ø 24 m 360° c1 ☼ c2 ☼/⚙ Zubehör Accessory Zubehör Accessory IP 20

III IR)) blue mode

- Presence detector for 12 - 24 V DC with 360° field of detection for ceiling mounting
- Range of up to 24 m in diameter at a recommended installation height of 3 m for use in offices, classrooms and board rooms, for example, and passageways with natural lighting
- Ideal for use in areas with ceilings of up to 10 m, such as sports halls, warehouses etc.
- Additional HVAC switch contact (channel 2) for controlling heating, ventilation and air conditioning depending on presence
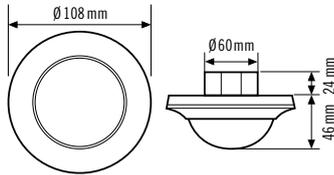- Default settings ensure immediate operability

‖‖‖‖‖‖‖ 4 015120 425318	PD-C360i/24 DC24Vplus white	EP10425318	4015120425318

SCALE DRAWING

Ø 108 mm

Ø 60mm

46 mm   24 mm

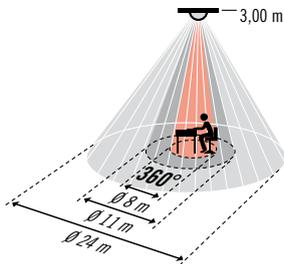## TECHNICAL DATA

- Mains voltage: 12 - 24 V DC
- Approx. power consumption: < 0.3 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: III
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: height 46 mm, Ø 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 60 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes

- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: yes
- Analogue output: 0 - 10 V DC
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: switching/dimming
- Contact: make contact/non-floating
- Switching capacity channel 1: 12 - 24 V =/2 A
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 minute – 30 minutes
- **Channel 2: HVAC**
- Switching capacity channel 2: 12 - 24 V =/2 A
- Contact: make contact/non-floating
- Switch-off delay channel 2: impulse/approx. 5 minute – 120 minutes
- Colour: white, similar to RAL 9010
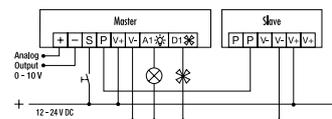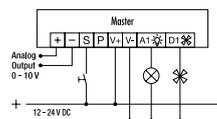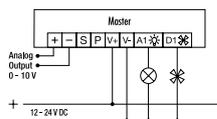
FIELD OF DETECTION

3,00 m

360°
Ø 8 m
Ø 11 m
Ø 24 m

■ Operating area approx. Ø 8 m

■ Head-on to detector approx. Ø 11 m

□ Passage area / diagonally to detector approx. Ø 24 m

Accessories (detailed on page 246 - 271)

• PD-C360/24 DC24V Slave white	EP10425325	4015120425325
• Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Surface-mounted box-C IP 20 white	EP10425370	4015120425370
• Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
• Surface-mounted box-C IP 54 white	EP10425905	4015120425905
• Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
• Cover set C360/24 silver	EP10425431	4015120425431
• Ceiling recessed-mounted set-C white	EP10425929	4015120425929
• Basket guard 165/70 white	EM10425615	4015120425615
• Basket guard 180/90 white	EM10425608	4015120425608

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.

CIRCUIT DIAGRAMS

Master
Analog Output 0 - 10 V
12 - 24 V DC

Master
Analog Output 0 - 10 V
12 - 24 V DC

Master   Slave
Analog Output 0 - 10 V
12 - 24 V DC

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Master-slave switching: The master device controls connected systems according to the programmed settings. The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected. Caution: A maximum of 10 slave devices may be connected to one master.

Note: The parallel connection of two or more presence detectors is not possible. The appropriate slave devices (available as accessories) must be used to extend the field of detection.

Order description	Order no.	EAN no.	**PD-C360/24 DC24V SLAVE**

| 12-24 V = | Ø 24 m | 360° | | Zubehör Accessory | Zubehör Accessory | IP 20 | |

- „Slave" presence detector for 12 - 24 V DC for extending the field of detection of a PD-C360i/24 DC24Vplus and PD-C360i/8 DC24Vplus „Master" presence detector with 360° field of detection for ceiling mounting
- Range of up to 24 m in diameter as a cost efficient system upgrade with up to 10 additional extensions
- Ideal for use in areas with ceilings of up to 10 m, such as sports halls, warehouses etc.

PD-C360/24 DC24V Slave white	EP10425325	4015120425325	4 015120 425325

TECHNICAL DATA

- Mains voltage: 12 - 24 V DC
- Approx. power consumption: < 0.25 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-PDi/MDi, Mobil-PDi/MDi-universal (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: III
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: height 70 mm, Ø 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 60 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes

- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 108 mm Ø 60 mm 24 mm 46 mm
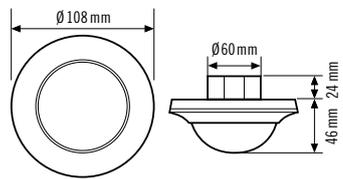
Accessories (detailed on page 246 - 271)

PD-C360i/8 DC24Vplus white	EP10425349	4015120425349
PD-C360i/24 DC24Vplus white	EP10425318	4015120425318
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
Cover set C360/24 silver	EP10425431	4015120425431
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

FIELD OF DETECTION

3,00 m

360°
Ø 8 m
Ø 11 m
Ø 24 m

Operating area approx. Ø 8 m

Head-on to detector approx. Ø 11 m

Passage area / diagonally to detector approx. Ø 24 m

Note: A max. of 10 „slave" devices can be connected to one „master". The installation cable between "master" and "slave" devices must not exceed 100 m in length.
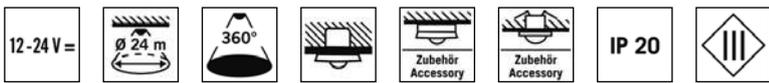
RC 230i UC

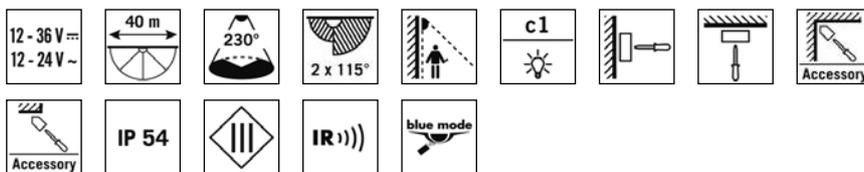|	Order description	Order no.	EAN no.

- Motion detector with 230° field of detection and large range
- 360° anti-creep protection for unbroken coverage, can be switched off by remote control
- Default settings ensure immediate operability
- Simple programming using remote control with „blue mode" technology.
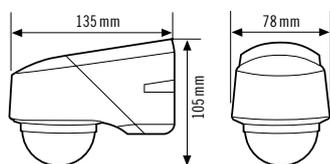
	RC 230i UC white	EM10015649	4015120015649

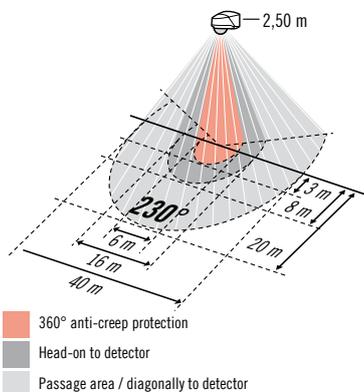### SCALE DRAWING

135 mm
78 mm
105 mm

TECHNICAL DATA

- Mains voltage: 12 - 36 V DC
  12 - 24 V ~
- Approx. power consumption: < 0.3 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-RCi, Mobil-RCi-M remote controls (order separately)
- Permissible ambient temperature: -25 °C ...+55 °C
- Protection type: IP 54
- Protection class: III
- Installation type: Wall and ceiling mounting, Mounting on inner and outer corners possible with accessories
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 105 mm x Width 78 mm x Length 135 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Field of detection: 230° (2 x 115° separately adjustable) and 360° anti-creep protection
- Range: approx. 20 m in Ø, at an installation height of 2,5 m
- Slave input: no
- Light value: approx. 2 - 2500 lux

- **Channel 1: Lighting**
- Interface: Switching
- Contact: make contact/floating
- Switch input: no
- Switch-off delay time: impulse/approx. 15 sec.–30 min.
- Colour: white, similar to RAL 9010

FIELD OF DETECTION

2,50 m

230°

3 m
8 m
6 m
16 m
20 m
40 m

360° anti-creep protection

Head-on to detector

Passage area / diagonally to detector

Accessories (detailed on page 246 - 271)

Mobil-RCi-M silver	EM10016011	4015120016011
Mobil-RCi silver	EM10016004	4015120016004
RC corner bracket white	EM10016110	4015120016110

Note: a max. of 8 devices can be connected parallel. The max. line length should not exceed 100 m.

CIRCUIT DIAGRAMS
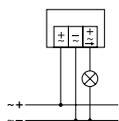
Standard operation

Order description	Order no.	EAN no.	**PD-C180i/16 UC**

12 - 36 V ⎓ / 12 - 36 V ~	8 m	180°	🐕	c1 ☀		Zubehör Accessory	IP 20	IP 44 Zubehör Accessory
III	IR)))	blue mode						

- Presence detector with 180° field of detection for wall mounting
- range of up to 16 m in diameter for the use in connection with building management systems
- Operating voltage 12-36 V DC or AC voltage (AC/DC)
- Potential-free software-controlled switching output (C/O)
- Connectable and disconnectable display of detection
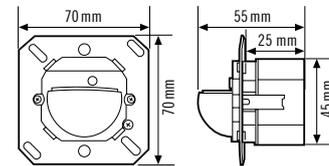- Silent switch up to the maximum of 2 A

PD-C180i/16 UC opal-matt	EP10427305	4015120427305	

TECHNICAL DATA

- Mains voltage: 12–36 V UC (AC/DC)
- Setting options: electronically by infrared Mobil-PDi DUO/MDi remote control (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20, IP 44 depending on cover (order separately)
- Protection class: III
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 70 mm x Width 70 mm x Length 53 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 61 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Approx. power consumption: < 0.3 W
- Field of detection: 180° horizontal, 60° vertical
- Range: approx. 16 m in Ø, at an installation height of 1,1 m to 2,2 m
- Slave input: no
- Analogue output: 0 - 10 V DC

- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: switching/dimming
- Contact: make contact/floating
- Switching capacity channel 1: 12–36 V UC (AC/DC), 2 A
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 min. – 60 min.
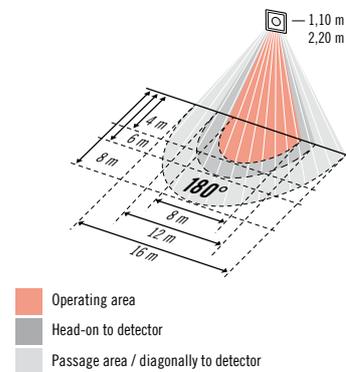- Colour: Opal matt

SCALE DRAWING

70 mm

55 mm

25 mm

70 mm

45 mm

Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Cover IP 20 white	EM10055102	4015120055102
Cover IP 20 signal white	EM10055119	4015120055119
Cover IP 20 cream white	EM10055126	4015120055126
Cover IP 20 charcoal grey	EM10055133	4015120055133
Cover IP 20 stainless steel finish	EM10055140	4015120055140
Cover IP 20-SKK white	EM10055270	4015120055270
Cover IP 20-SKJ white	EM10055287	4015120055287
Cover IP 20-EXX white	EM10055294	4015120055294
Cover IP20-BS1 white	EP10427114	4015120427114
Cover IP20-BS1 polar	EP10427107	4015120427107
Cover IP20-BJSI white	EP10427145	4015120427145
Cover IP20-BM2 polar	EP10427121	4015120427121
Cover IP20-BJSI cream	EP10427152	4015120427152
Cover IP20-G55 white	EP10427169	4015120427169
Cover IP20-G55 cream	EP10427176	4015120427176
Cover IP 44 white	EM10055157	4015120055157
Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164

FIELD OF DETECTION

1,10 m
2,20 m

4 m
6 m
8 m
180°
8 m
12 m
16 m

- Operating area
- Head-on to detector
- Passage area / diagonally to detector

Note: Order cover and remote control separately.

CIRCUIT DIAGRAMS

Output/Lux
+ 0 - 10 V DC –

12 - 36 V UC in

2 A potential free out

12 - 36 V UC (AC/DC)

PD-C360i/8 UC

Order description	Order no.	EAN no.

12 - 36 V ⎓
12 - 36 V ∼
Ø 8 m
360°
c1 ☼
Zubehör Accessory
Zubehör Accessory
IP 20
IP 54 Accessory

IR)))
blue mode

- Presence detector with 360° field of detection for ceiling mounting
- range of up to 8 m in diameter for the use in connection with building management systems
- Operating voltage 12-36 V DC or AC voltage (AC/DC)
- Potential-free software-controlled switching output (C/O)
- Connectable and disconnectable display of detection
- Silent switch up to the maximum of 2 A

4 015120 427312	PD-C360i/8 UC white	EP10427312	4015120427312

SCALE DRAWING

Ø 108 mm
Ø 60 mm
38 mm   24 mm

TECHNICAL DATA

- Mains voltage: 12–36 V UC (AC/DC)
- Approx. power consumption: < 0.3 W
- Setting options: electronically by infrared Mobil-PDi DUO/MDi remote control (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: III
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 38 mm, Ø 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 60 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes

- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- Analogue output: 0 - 10 V DC
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: switching/dimming
- Contact: make contact/floating
- Switching capacity channel 1: 12–36 V UC (AC/DC), 2 A
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 min. – 60 min.
- Colour: white, similar to RAL 9010

FIELD OF DETECTION

3,00 m
360°
Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m
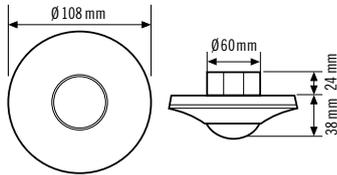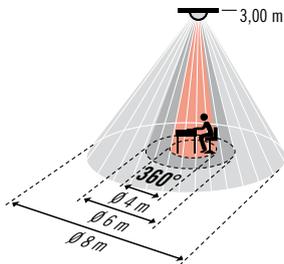
Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
Cover set C360/8 silver	EP10425936	4015120425936
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

Note: Order remote control separately.

CIRCUIT DIAGRAMS

in | out | out 0 - 10 V DC
A1 (+) | A2 (–) | B1 | B2 | GND | + | S | S

12 - 36 V UC (AC/DC)

Standard operation

Order description	Order no.	EAN no.	**PD-C360i/8 MINI UC**

- Presence detector with 360° field of detection for recessed ceiling mounting
- range of up to 8 m in diameter for use in connection with building management systems
- Operating voltage 12-36 V DC or AC voltage (AC/DC)
- Potential-free software-controlled switching output (C/O)
- Connectable and disconnectable display of detection
- Silent switch up to the maximum of 2 A

PD-C360i/8 mini UC opal matt	EP10427343	4015120427343	4 015120 427343

TECHNICAL DATA

- Mains voltage: 12–36 V UC (AC/DC)
- Setting options: electronically by infrared Mobil-PDi DUO/MDi remote control (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 55
- Protection class: III
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised PE, UV-stabilised polycarbonate
- Approx. dimensions: Height 60 mm x Width 33 mm x Length 33 mm
- Installation dimension: Installation depth 45 mm, Installation hole size Ø 25 mm
- Supply line: 60 cm, 4 x 1.00 mm²
- Included in delivery: includes lens mask, spring installation clips, clamping installation ring
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m

- Slave input: no
- Analogue output: 0 - 10 V DC
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: switching/dimming
- Contact: make contact/floating
- Switching capacity channel 1: 12–36 V UC (AC/DC), 2 A
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 min. – 60 min.
- Colour: Opal matt

SCALE DRAWING

25 mm
45 mm
15 mm
33 mm

Accessories (detailed on page 246 - 271)

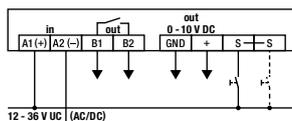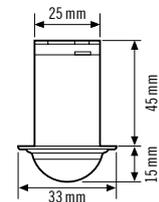|		
Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Spotlight adapter 51/25, opal matt	EP10426391	4015120426391

FIELD OF DETECTION

3,00 m

360°
Ø 3 m
Ø 5 m
Ø 8 m

Operating area approx. Ø 3 m

Head-on to detector approx. Ø 5 m

Passage area / diagonally to detector approx. Ø 8 m

Note: Order remote control separately.

CIRCUIT DIAGRAMS

⚠ 12 - 36 V UC (AC/DC)

1	+	12 - 36 V UC
2	−	12 - 36 V UC in
3	−	potential- free out	2 A potential-free out
4	+	
5	+	Output / Lux 0 - 10 V DC	Output/Lux 0 - 10 V DC
6	−	
7		Switch on / off	S

Standard operation

PD-C360i/24 UC

Order description	Order no.	EAN no.

- Presence detector with 360° field of detection for ceiling mounting
- range of up to 24 m in diameter for the use in connection with building management systems
- Operating voltage 12-36 V DC or AC voltage (AC/DC)
- Potential-free software-controlled switching output (C/O)
- Connectable and disconnectable display of detection
- Silent switch up to the maximum of 2 A

PD-C360i/24 UC white	EP10427329	4015120427329

4 015120 427329

SCALE DRAWING

Ø 108 mm
Ø 60 mm
46 mm   24 mm

TECHNICAL DATA

- Mains voltage: 12–36 V UC (AC/DC)
- Approx. power consumption: < 0.3 W
- Setting options: electronically by infrared Mobil-PDi DUO/MDi remote control (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: recessed-mounted IP 20, IP 20/IP 54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
- Protection class: III
- Installation type: Ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 46 mm, Ø 108 mm
- Installation dimension: Installation depth 24 mm, Installation hole size Ø 60 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes

- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 10 m
- Slave input: no
- Analogue output: 0 - 10 V DC
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: switching/dimming
- Contact: make contact/floating
- Switching capacity channel 1: 12–36 V UC (AC/DC), 2 A
- Switch input: yes
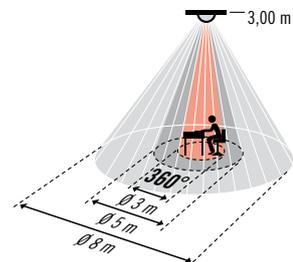- Switch-off delay time: impulse/approx. 1 min. – 60 min.
- Colour: white, similar to RAL 9010

FIELD OF DETECTION

3,00 m
360°
Ø 8 m
Ø 11 m
Ø 24 m
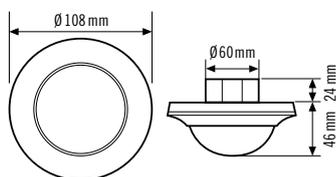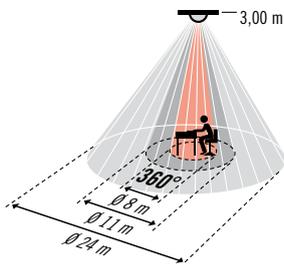
- Operating area approx. Ø 8 m
- Head-on to detector approx. Ø 11 m
- Passage area / diagonally to detector approx. Ø 24 m

Accessories (detailed on page 246 - 271)

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
Mobil-PDi/MDi-universal white	EP10433993	4015120433993
Surface-mounted box-C IP 20 white	EP10425370	4015120425370
Surface-mounted box-C IP 20 silver	EP10425387	4015120425387
Surface-mounted box-C IP 54 white	EP10425905	4015120425905
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912
Cover set C360/24 silver	EP10425431	4015120425431
Ceiling recessed-mounted set-C white	EP10425929	4015120425929
Basket guard 165/70 white	EM10425615	4015120425615
Basket guard 180/90 white	EM10425608	4015120425608

Note: Order remote control separately.

CIRCUIT DIAGRAMS

in   out   out 0 - 10 V DC
A1 (+) | A2 (−) | B1 | B2 | GND | + | S — S

12 - 36 V UC (AC/DC)

Standard operation

Order description	Order no.	EAN no.	**PD-CE360i/24 UC**

- Presence detector with 360° field of detection for recessed ceiling mounting
- range of up to 24 m in diameter for use in connection with building management systems
- Operating voltage 12-36 V DC or AC voltage
- Potential-free software-controlled switching output (C/O)
- Connectable and disconnectable display of detection
- Silent switch up to the maximum of 2 A

| PD-CE360i/24 UC opal matt | EP10427336 | 4015120427336 | |

4 015120 427336

TECHNICAL DATA

- Mains voltage: 12–36 V UC (AC/DC)
- Setting options: electronically by infrared Mobil-PDi DUO/MDi remote control (order separately)
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 40
- Protection class: III
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 32 mm x Width 82 mm x Length 82 mm
- Installation dimension: Installation depth 67 mm, Installation hole size Ø 68 mm
- Terminal: 1.5 mm²
- Included in delivery: includes lens mask
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 24 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no

- Analogue output: 0 - 10 V DC
- Light measurement: mixed light
- Light value: approx. 5 - 2000 lux
- **Channel 1: Lighting**
- Interface: switching/dimming
- Contact: make contact/floating
- Switching capacity channel 1: 12–36 V UC (AC/DC), 2 A
- Switch input: yes
- Switch-off delay time: impulse/approx. 1 min. – 60 min.
- Colour: Opal matt

SCALE DRAWING

Ø 82 mm
Ø 68 mm
67 mm
32 mm

Accessories (detailed on page 246 - 271)

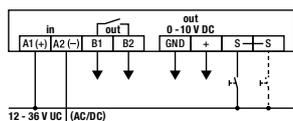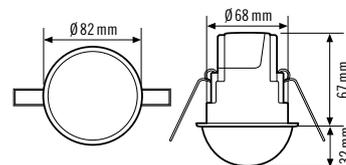|		
• Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509
• Mobil-PDi/MDi-universal white	EP10433993	4015120433993
• Basket guard 165/70 white	EM10425615	4015120425615
• Basket guard 180/90 white	EM10425608	4015120425608

FIELD OF DETECTION

3,00 m
360°
Ø 8 m
Ø 11 m
Ø 24 m

Operating area approx. Ø 8 m

Head-on to detector approx. Ø 11 m

Passage area / diagonally to detector approx. Ø 24 m

Note: Order remote control separately.

CIRCUIT DIAGRAMS

in | in | out | out 0 - 10 V DC
A1(+) A1(+) | A2(–) A2(–) | B1 B1 B2 B2 | GND + | S S

12 - 36 V UC (AC/DC)
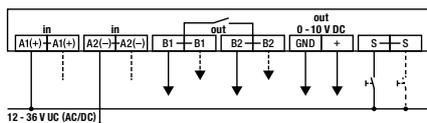
Standard operation

SENSORS
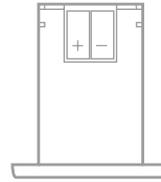
BRIGHTNESS CONTROLLER

Optimum lighting conditions can only be achieved through the intelligent combination of artificial lighting and ambient brightness. Presence and motion detectors play a key role in this respect by featuring mixed photometry and daylight-dependent continuous lighting control, but separate brightness controller allow an even higher level of individuality and flexibility. They can be used to considerably increase the number of measuring points and thus the overall precision and resolution of the lighting. Whether used on their own or to complement our detectors, they optimise light as required, right into the most remote corner of a building.

CONTENTS

LIGHT SENSORS

The LS FLAT mini KNX brightness controller ensures that a better level of individuality, flexibility and energy efficiency can be achieved for any lighting control system. Hidden in a tiny, compact housing with a mounting height of only 3 mm, its targeted light measurement can be used to switch, regulate or control two separate lighting channels. It can also account for up to two external lighting values alongside its own value. Operating several of these devices together or combining them with the light sensor technology of presence detectors enables virtually unlimited possibilities for multi-point measurements and cascading. Any customer looking for a highly precise method of detecting daylight will also benefit from a very high measuring range of up to 10,000 lux.

CONTENTS

LS FLAT MINI KNX

Order description	Order no.	EAN no.

- 3 mm flat lens, making it very inconspicuous
- In-built light control
- Can be combined with additional light sensors for measuring large or complicated situations

	LS FLAT mini KNX	ED10429002	4015120429002

SCALE DRAWING

25 mm
45 mm
3 mm
33 mm
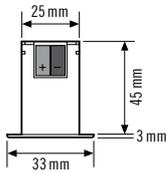
TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Approx. power consumption: 6,0 mA
- Setting options: remotely with ETS-Software
- Permissible ambient temperature: 0 °C ...+35 °C
- Protection type: IP 55
- Protection class: III
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised PE
- Installation dimension: Installation depth 45 mm, Installation hole size Ø 25 mm
- Included in delivery: Sensor and plug terminal
- Conformity: CE, RoHS
- Weight: 0,016 kg
- Silicone-free housing: no
- Light measurement: mixed light
- Colour: Opal matt

Accessories (detailed on page 246 - 271)

Spotlight adapter 51/25, opal matt	EP10426391	4015120426391

CIRCUIT DIAGRAMS

KNX (TP)
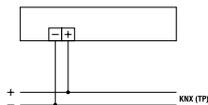
Standard operation

SENSORS
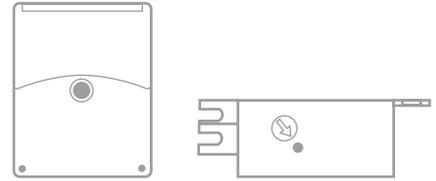
TWILIGHT SWITCHES

"It's better to light a candle than curse the darkness," were the wise words of Confucius. But that is no help if you are lying inside on the sofa and are too lethargic to stir yourself to switch on the light. The solution to the problem: ESYLUX twilight switches. When the twilight switches are connected to the outdoor lighting, their fine sensor technology ensures that the artificial light is automatically switched on when twilight descends. They thus ensure that the outdoor areas of your building are kept safely illuminated, allowing you to carry on watching the latest hit crime drama undisturbed. As well as being more convenient, the twilight switches also guarantee energy efficiency — as soon as daybreak brings enough light into the sky, they switch the lighting off again, automatically and just as unobtrusively.

CONTENTS

TWILIGHT SWITCHES

ESYLUX twilight switches ensure automatic lighting of outdoor areas as soon as it gets dark, whether you want to light up a building's façade impressively or ensure that people can find their way around with path lighting. The switches come in a number of well thought-out variants that are ideal for outdoor use either in a sturdy design or as a discreet built-in version, allowing appropriate integration into the building automation on site. To ensure that brief disturbances of the light conditions—for example from the dipped beam headlights of passing cars—do not confuse the sensors, all twilight switches feature a delay of 60 seconds before switching on or off. They therefore only switch on the light if it is really needed.

CONTENTS

TWILIGHT SWITCHES
CDS SERIES

Product designation	CDS-A/N
Item number	ED10016530
Mains voltage	230 V AC/50 Hz
Approx. power consumption	1.0 W
Installation type	Wall mounting
Contact	make contact/floating
Switching capacity channel 1	230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 690 VA/3 A (cos phi; =0.5), 12/24 V DC/5 A, floating relay contact
Light value	5 - 300 lux
Turn-on delay [s]	60
Switch-off delay [s]	60
Permissible ambient temperature	-25 °C...+55 °C
Protection type	IP 54
Protection class	II
Housing material	UV-stabilised polycarbonate
Approx. measurements	Height 96 mm x width 76 mm x length 52 mm
Special product features	-
SEE PAGE	240

	CDS-A/T	CDSi-A/N	CDSi-A/N16AX	CDS-E
	RK39500010040	ED10016608	ED10016660	ED10016509
	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz
	1.2 W	< 0.3 W	< 0.3 W	< 0.9 W
	Wall mounting	Wall mounting	Wall mounting	Recessed mounting
	make contact/floating	make contact/floating	make contact/floating	make contact/non-floating
	230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 690 VA/3 A (cos phi; =0.5), 12/24 V DC/5 A, floating relay contact	230 V AC 50 Hz, 2300 W/10 A (cos phi; = 1), 690 VA/3 A (cos phi; =0.5), 12/24 V DC/5 A, floating relay contact	230 V AC, 50 Hz, 16 AX, 3600 W/16 A (cos phi = 1), 1800 VA/16 A (cos phi = 0.5)	230 V AC 50 Hz, 1000 W/4.5 A (cos phi; = 1), 500 VA/2.25 A (cos phi; =0.5)
	5 - 300 lux	1 - 300 lux via adjuster , 1 - 1000 lux via remote control, Changing the switching difference ON/OFF can be changed via jumper	1 - 300 lux via adjuster , 1 - 1000 lux via remote control, switching difference ON/OFF can be changed via jumper	5 - 300 lux
	60	60	60	60
	60	60	60	60
	-25 °C...+55 °C	-25 °C...+55 °C	-25 °C...+55 °C	-25 °C...+70 °C
	IP 54	IP 54	IP 54	Power section IP 20, Sensor cover IP 44
	II	II	II	II
	UV-stabilised polycarbonate	UV-stabilised polycarbonate	UV-stabilised polycarbonate	UV-stabilised polycarbonate
	Height 114 mm x width 80 mm x length 51 mm	Height 96 mm x width 76 mm x length 52 mm	Height 96 mm x width 76 mm x length 52 mm	Height 26 mm x width 70 mm x length 24 mm
	In-built day time switch	-	-	-
	241	**242**	**243**	**244**

CDS-A/N	Order description	Order no.	EAN no.

230 V ~ **IP 54**

- Surface-mounted twilight switch for automatic lighting control
- Floating relay contact
- The light value can be set on the outside of the housing
- LED setting aid (instantaneous)

	CDS-A/N white	ED10016530	4015120016530

4 015120 016530

SCALE DRAWING
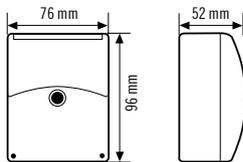
76 mm

52 mm

96 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: 1.0 W
- Permissible ambient temperature: -25 °C ...+55 °C
- Protection type: IP 54
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 96 mm x Width 76 mm x Length 52 mm
- Light value: 5 - 300 lux
- Switch-on delay [s]: 60 sec.
- Switch-off delay [s]: 60 sec.
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 690 VA/3 A (cos φ =0.5), 12/24 V DC/5 A, floating relay contact
- Colour: white, similar to RAL 9010

CIRCUIT DIAGRAMS

PE PE N N L L   L L

L
N

230 V ~ IP 54
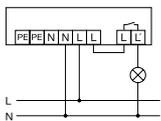
- Surface-mounted twilight switch for automatic lighting control
- In-built day time switch with various control options
- Floating relay contact
- The light value can be set on the outside of the housing

CDS-A/T white	RK39500010040	4015120010040	4 015120 010040

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: 1.2 W
- Permissible ambient temperature: -25 °C ...+55 °C
- Protection type: IP 54
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 114 mm x Width 80 mm x Length 51 mm
- Special product features: Integrierte Tageszeitschaltuhr
- Light value: 5 - 300 lux
- Switch-on delay [s]: 60 sec.
- Switch-off delay [s]: 60 sec.
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 690 VA/3 A (cos φ =0.5), 12/24 V DC/5 A, floating relay contact
- Colour: white, similar to RAL 9010

SCALE DRAWING

80 mm   51 mm   114 mm

CIRCUIT DIAGRAMS

PE N L   L L'
L
N

Order description	Order no.	EAN no.
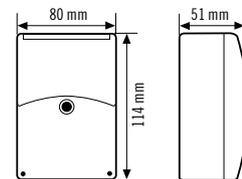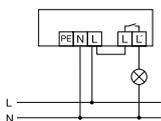
- Surface-mounted twilight switch for automatic lighting control
- Programmable by remote control Mobil-RCi-M
- Floating relay contact
- The light value can be set on the outside of the housing

	CDSi-A/N white	ED10016608	4015120016608

4 015120 016608

SCALE DRAWING

76 mm   52 mm

96 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-RCi-M remote controls (order separately)
- Permissible ambient temperature: -25 °C ...+55 °C
- Protection type: IP 54
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 96 mm x Width 76 mm x Length 52 mm
- Light value: 1 - 300 lux via adjuster , 1 - 1000 lux via remote control, switching difference ON/OFF can be changed via jumper
- Switch-on delay [s]: 60 sec.
- Switch-off delay [s]: 60 sec.
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 690 VA/3 A (cos φ =0.5), 12/24 V DC/5 A, floating relay contact
- Colour: white, similar to RAL 9010

Accessories (detailed on page 246 - 271)

	Mobil-RCi-M silver	EM10016011	4015120016011

CIRCUIT DIAGRAMS

PE PE N N L L   L L

L
N
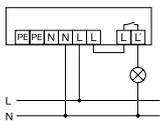
Order description	Order no.	EAN no.

- Surface-mounted twilight switch for automatic control of lighting with high loads (16 AX)
- Programmable by remote control Mobil-RCi-M
- The light value can be set on the outside of the housing
- LED setting aid (instantaneous)

| CDSi-A/N16AX white	ED10016660	4015120016660

4 015120 016660

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.3 W
- Setting options: mechanically by adjusting controller, electronically by infrared Mobil-RCi-M remote controls (order separately)
- Permissible ambient temperature: -25 °C ...+55 °C
- Protection type: IP 54
- Protection class: II
- Installation type: Wall mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 96 mm x Width 76 mm x Length 52 mm
- Light value: 1 - 300 lux via adjuster , 1 - 1000 lux via remote control, switching difference ON/OFF can be changed via jumper
- Switch-on delay [s]: 60 sec.
- Switch-off delay [s]: 60 sec.
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC, 50 Hz, 16 AX, 3600 W/16 A (cos phi = 1), 1800 VA/16 A (cos phi = 0.5)
- Colour: white, similar to RAL 9010
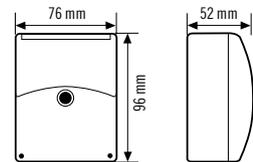
SCALE DRAWING

76 mm 52 mm
96 mm

Accessories (detailed on page 246 - 271)

• Mobil-RCi-M silver	EM10016011	4015120016011

CIRCUIT DIAGRAMS

PE PE N N L L

L
N

CDS-E	Order description	Order no.	EAN no.
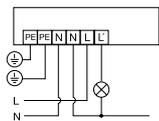
- Twilight switch for retrofitting in outdoor lights and junction boxes
- Compact design for flexible use
- High control capacity ESL and PL up to 26 W

	CDS-E white	ED10016509	4015120016509

SCALE DRAWING

70 mm
50 mm
24 mm
26 mm
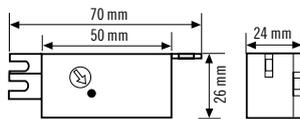
TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: < 0.9 W
- Permissible ambient temperature: -25 °C ...+70 °C
- Protection type: Power module IP 20,
  Sensor cover IP 44
- Protection class: II
- Installation type: Recessed mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 26 mm x Width 70 mm x Length 24 mm
- Light value: 5 - 300 lux
- Switch-on delay [s]: 60 sec.
- Switch-off delay [s]: 60 sec.
- Switching capacity channel 1: 230 V AC 50 Hz, 1000 W/4.5 A (cos φ = 1), 500 VA/2.25 A (cos φ =0.5)
- Colour: white, similar to RAL 9010

Important: When installing the CDS-E in enclosed lights, only illuminants up to a max. of 40 W should be used. Higher outputs will lead to higher temperatures and can, at above +50 °C, cause the CDS-E to be destroyed.

CIRCUIT DIAGRAMS

N L L
L
N
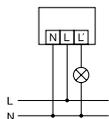
ACCESSORIES

SENSORS

– PRESENCE AND MOTION DETECTORS
– TWILIGHT SWITCHES

COVER IP 20	Order description	Order no.	EAN no.

- Cover IP 20 for:
- MD 180i/R
- PD 180i/R
- MD/PD 180 Slave
- PD-C180i/16 UC
- PD-C180i KNX
- PD-C180i KNX ECO
- Suppression of the vertical field of detection with enclosed cap piece

	Order description	Order no.	EAN no.
	Cover IP 20 white	EM10055102	4015120055102
	Cover IP 20 signal white	EM10055119	4015120055119
	Cover IP 20 cream white	EM10055126	4015120055126
	Cover IP 20 charcoal grey	EM10055133	4015120055133
	Cover IP 20 stainless steel finish	EM10055140	4015120055140

SCALE DRAWING

87 mm
29 mm
87 mm

TECHNICAL DATA

- Approx. dimensions: Height 29 mm x Width 87 mm x Length 87 mm
- Colour: white, similar to RAL 9010

COVER IP 20-SKK	Order description	Order no.	EAN no.
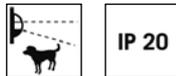
- Cover IP 20-SKK for:
- MD 180i/R
- PD 180i/R
- MD/PD 180 Slave
- PD-C180i/16 UC
- PD-C180i KNX
- PD-C180i KNX ECO
- Design compatible with Elko RS/PLUS
- Suppression of the vertical field of detection with enclosed cap piece

	Order description	Order no.	EAN no.
	Cover IP 20-SKK white	EM10055270	4015120055270

SCALE DRAWING

56 mm
27 mm
56 mm

TECHNICAL DATA

- Approx. dimensions: Height 27 mm x Width 56 mm x Length 56 mm
- Colour: white

IP 20

- Cover IP 20-BS1 for:
- MD 180i/R
- PD 180i/R
- MD/PD 180 Slave
- PD-C180i/16 UC
- PD-C180i KNX
- PD-C180i KNX ECO
- Design compatible to Berker S.1
- Suppression of the vertical field of detection with enclosed cap piece

Order description	Order no.	EAN no.	
Cover IP20-BS1 white	EP10427114	4015120427114	
Cover IP20-BS1 polar	EP10427107	4015120427107	

TECHNICAL DATA

- Approx. dimensions: Height 27 mm x Width 55 mm x Length 55 mm
- Colour: white, similar to RAL 1013

SCALE DRAWING

55 mm 27 mm
55 mm
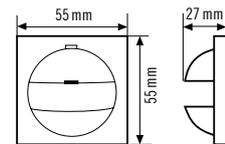
IP 20

- Cover IP 20-BM2 for:
- MD 180i/R
- PD 180i/R
- MD/PD 180 Slave
- PD-C180i/16 UC
- PD-C180i KNX
- PD-C180i KNX ECO
- Design compatible to Berker Modul 2
- Suppression of the vertical field of detection with enclosed cap piece

Order description	Order no.	EAN no.	
Cover IP20-BM2 white	EP10427138	4015120427138	
Cover IP20-BM2 polar	EP10427121	4015120427121	

TECHNICAL DATA

- Approx. dimensions: Height 27 mm x Width 55 mm x Length 55 mm
- Colour: white, similar to RAL 1013

SCALE DRAWING

55 mm 27 mm
55 mm
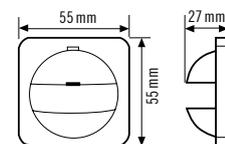
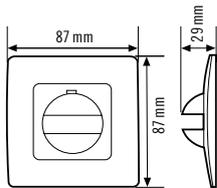| COVER IP20-BJSI	Order description	Order no.	EAN no.

IP 20

- Cover IP 20-BJSI for:
- MD 180i/R
- PD 180i/R
- MD/PD 180 Slave
- PD-C180i/16 UC
- PD-C180i KNX
- PD-C180i KNX ECO
- Design compatible to Bush-Jäger Reflex
- Suppression of the vertical field of detection with enclosed cap piece

	Order description	Order no.	EAN no.
4 015120 427145	Cover IP20-BJSI white	EP10427145	4015120427145
4 015120 427152	Cover IP20-BJSI cream	EP10427152	4015120427152

SCALE DRAWING

TECHNICAL DATA

- Approx. dimensions: Height 27 mm x Width 55 mm x Length 55 mm
- Colour: white, similar to RAL 9010

55 mm | 27 mm | 55 mm
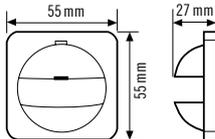
COVER IP20-G55	Order description	Order no.	EAN no.

IP 20

- Cover IP 20-G55 for:
- MD 180i/R
- PD 180i/R
- MD/PD 180 Slave
- PD-C180i/16 UC
- PD-C180i KNX
- PD-C180i KNX ECO
- Design compatible to Gira Standard 55
- Suppression of the vertical field of detection with enclosed cap piece

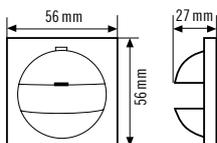|	Order description	Order no.	EAN no.
4 015120 427169	Cover IP20-G55 white	EP10427169	4015120427169
4 015120 427176	Cover IP20-G55 cream	EP10427176	4015120427176

SCALE DRAWING

TECHNICAL DATA

- Approx. dimensions: Height 27 mm x Width 55 mm x Length 55 mm
- Colour: white, similar to RAL 9010

55 mm | 27 mm | 55 mm

Order description	Order no.	EAN no.	**COVER IP 44**
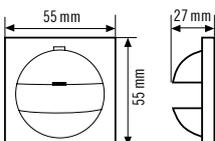
IP 44

- Cover IP 44 for:
- MD 180i/R
- PD 180i/R
- MD/PD 180 Slave
- PD-C180i/16 UC
- PD-C180i KNX
- PD-C180i KNX ECO
- Suitable for damp rooms such as bathrooms, garages and basements
- Suppression of the vertical field of detection with enclosed cap piece
- Increased tamper protection through stainless steel Inbus screws

Cover IP 44 white	EM10055157	4015120055157	4 015120 055157

TECHNICAL DATA

- Protection type: IP 44
- Approx. dimensions: Height 87 mm x Width 87 mm x Length 67 mm
- Colour: white, similar to RAL 9010

SCALE DRAWING

87 mm 67 mm 87 mm

Order description	Order no.	EAN no.	**SURFACE-MOUNTED BOX IP 20/IP 44**
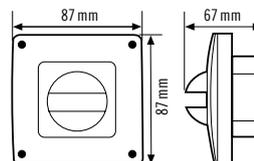
IP 20 IP 44

- Surface-mounted box IP 20/IP 44 for:
- MD 180i/R
- PD 180i/R
- MD/PD 180 Slave
- PD-C180i/16 UC
- PD-C180i KNX
- PD-C180i KNX ECO
- With triple diaphragm line entrance

Surface-mounted box IP 20/IP 44 white	EM10055164	4015120055164	4 015120 055164

TECHNICAL DATA

- Protection type: IP 20, IP 44 depending on cover (order separately)
- Approx. dimensions: Height 87 mm x Width 87 mm x Depth 49 mm
- Colour: white, similar to RAL 9010

SCALE DRAWING

87 mm 49 mm 87 mm
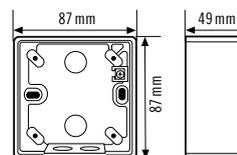
SURFACE-MOUNTED BOX IP 54	Order description	Order no.	EAN no.

IP 54

- Surface-mounted box IP 54 for many ceiling-mounted motion detectors of the MD series and ceiling-mounted presence detectors of the PD series
- Double diaphragm line entrance

	Surface-mounted box IP 54 white	EM10425400	4015120425400

4 015120 425400

SCALE DRAWING

Ø 127 mm

21 mm

TECHNICAL DATA

- Approx. dimensions: Height 21 mm, Ø 127 mm
- Colour: white, similar to RAL 9010
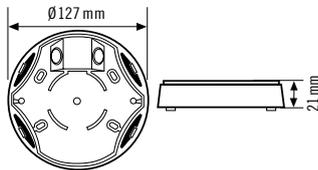
SURFACE-MOUNTED BOX C IP 20	Order description	Order no.	EAN no.

IP 20

- Surface-mounted box C IP 20 for many ceiling-mounted motion detectors of the MD-C series and ceiling-mounted presence detectors of the PD-C series
- Large wiring space with quadruple line entrance

	Surface-mounted box-C IP 20 white	EP10425370	4015120425370
	Surface-mounted box-C IP 20 silver	EP10425387	4015120425387

4 015120 425370

4 015120 425387

SCALE DRAWING

Ø 104 mm

30 mm

TECHNICAL DATA

- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: height 30 mm, Ø 104 mm
- Colour: white, similar to RAL 9010

Order description	Order no.	EAN no.	**SURFACE-MOUNTED BOX C IP 54**
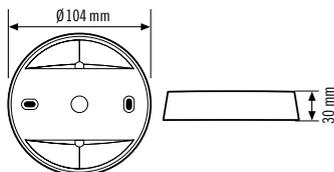
IP 54

- Surface-mounted box IP 54 for many ceiling-mounted motion detectors of the MD-C series and ceiling-mounted presence detectors of the PD-C series
- Large wiring space with double line entrance

Surface-mounted box-C IP 54 white	EP10425905	4015120425905	
Surface-mounted box-C IP 54 silver	EP10425912	4015120425912	

TECHNICAL DATA

- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: height 30 mm, Ø 104 mm
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 104 mm

30 mm

Order description	Order no.	EAN no.	**Surface mounted box DALI ADR**
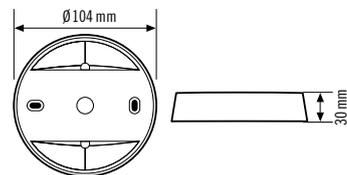
IP 44

- Surface mounted box IP 44 for PD 360i/8 DALI ADR
- With triple diaphragm line entrance
- Mounting screws

Surface-mounted box DALI ADR white	EM10210808	4015120210808	

TECHNICAL DATA

- Protection type: IP 44
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 27 mm x Ø 100 mm
- Colour: white, similar to RAL 9010

SCALE DRAWING

100 mm

27 mm
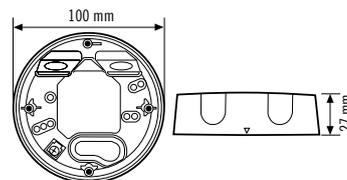
COVER SET 360/8	Order description	Order no.	EAN no.
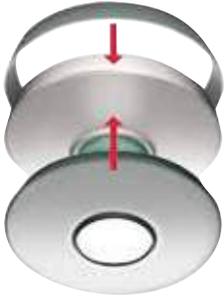
- Cover set comprising cover and design ring for:
Ceiling motion detector
- MD 360/8
Ceiling presence detector
- PD 360i/8
- PD 360/8 Slave
- Silver colour

	Cover set 360/8 silver	EM10425455	4015120425455

4 015120 425455

SCALE DRAWING

Ø 140 mm

30 mm

TECHNICAL DATA

- Approx. dimensions: Height 30 mm, Ø 140 mm
- Colour: silver
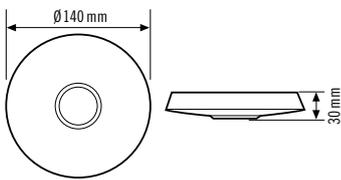
WALL MOUNTING FOR MD/PD MINI	Order description	Order no.	EAN no.

- Wall mounting with in-built slot disc for narrow-field monitoring at the beginning/end of a warehouse aisle
- perfect for MD/PD/8 mini devices from ESYLUX
- high-strength plastic
- rotatable slot disc for perfect detection alignment

	WMB for MD-C/PD-C 8 mini	EP10427527	4015120427527

4 015120 427527

SCALE DRAWING

85 mm

75 mm

40 mm

45 mm

TECHNICAL DATA

- Installation type: Surface mounting
- Colour: white
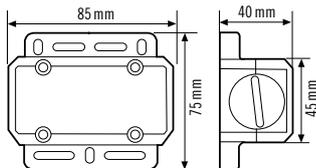
Order description	Order no.	EAN no.	**COVER SET C360/8**

- Silver cover set includes cover and design ring for many ceiling-mounted motion detectors of the MD-C series and ceiling-mounted presence detectors of the PD-C series

| Cover set C360/8 silver | EP10425936 | 4015120425936 | |

TECHNICAL DATA

- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Ø 108 mm
- Colour: silver

SCALE DRAWING

Ø 108 mm

24 mm
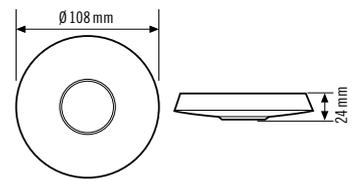
Order description	Order no.	EAN no.	**COVER SET C360/24**

- Silver cover set includes cover and design ring for many ceiling-mounted motion detectors of the MD-C series and ceiling-mounted presence detectors of the PD-C series

| Cover set C360/24 silver | EP10425431 | 4015120425431 | |

TECHNICAL DATA

- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Ø 108 mm
- Colour: silver

SCALE DRAWING

Ø 108 mm

19 mm
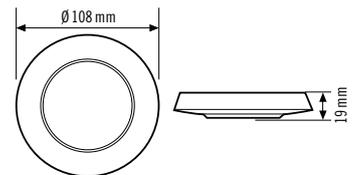
	Order description	Order no.	EAN no.

ESYLUX recessed ceiling mounting set for PD-FLAT seriesDescription: Housing material polypropylene (PP), dimensions approx: height 71 mm, diameter 63 mm, colour white

	Recessed ceiling mounting kit PD-F	EP10426889	4015120426889

4 015120 426889

SCALE DRAWING
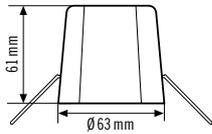
TECHNICAL DATA
- Housing material: Polypropylene (PP)
- Approx. dimensions: Height 71 mm, Ø 63 mm
- Colour: white

61 mm
Ø 63 mm

RECESSED CEILING MOUNTING KIT

	Order description	Order no.	EAN no.

- Recessed ceiling mounting set includes installation bracket and dust-protected box
- For many ceiling-mounted motion detectors of the MD-C series and ceiling-mounted presence detectors of the PD-C series

	Ceiling recessed-mounted set-C white	EP10425929	4015120425929

4 015120 425929

SCALE DRAWING

TECHNICAL DATA
- Housing material: Polypropylene (PP)
- Approx. dimensions: Height 61 mm, Ø 63 mm
- Colour: white

61 mm
Ø 63 mm

RECESSED CEILING MOUNTING KIT FM

- Recessed ceiling mounting set includes installation bracket and dust-protected box
- For many ceiling-mounted motion detectors of the MD-C (FM) series and ceiling-mounted presence detectors of the PD-C (FM) series

Order description	Order no.	EAN no.
Recessed ceiling mounting kit FM	EP10426896	4015120426896

TECHNICAL DATA

- Housing material: Polypropylene (PP)
- Approx. dimensions: Height 61 mm, Ø 63 mm
- Colour: white

SCALE DRAWING

61 mm
Ø 63 mm

Order description	Order no.	EAN no.

CEILING-MOUNTED SET DALI ADR
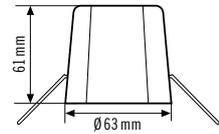
- Ceiling-mounted set for PD 360i/8 DALI ADR

Order description	Order no.	EAN no.
Ceiling-mounted set DALI ADR	EM10210815	4015120210815

TECHNICAL DATA

- Approx. dimensions: Height 76 mm x Ø 75 mm
- Colour: transparent

SCALE DRAWING

68 mm
76 mm
75 mm
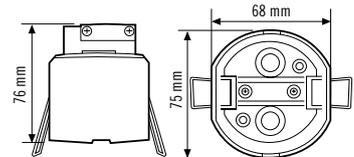
SPOTLIGHT ADAPTER 51/20	Order description	Order no.	EAN no.

- Adapter for installing motion and presence detectors in spotlights (for illuminant size QR-CBC51-Ø 51 mm and retaining ring)
- Compatible with the following detectors: PD-C360i/6 mini, MD-C360i/6 mini

	Spotlight adapter 51/20, opal matt	EP10426384	4015120426384

4 015120 426384

SCALE DRAWING
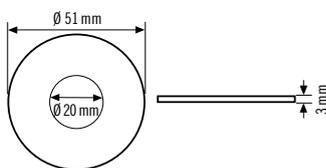
Ø 51 mm
Ø 20 mm
3 mm

TECHNICAL DATA

- Housing material: PMMA
- Approx. dimensions: outer diameter 51 mm, inner diameter 20 mm; height 3 mm
- Colour: Opal matt

SPOTLIGHT ADAPTER 51/25	Order description	Order no.	EAN no.

- Adapter for installing motion and presence detectors in spotlights (for illuminant size QR-CBC51-Ø 51 mm and retaining ring)
- Compatible with the detectors PD-C360i/8 mini, PD-C360i/12 mini, MD-C360i/8 mini and MD-C360i/12 mini

	Spotlight adapter 51/25, opal matt	EP10426391	4015120426391

4 015120 426391

SCALE DRAWING
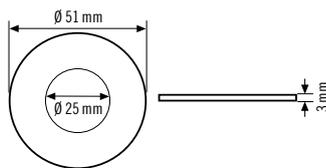
Ø 51 mm
Ø 25 mm
3 mm

TECHNICAL DATA

- Housing material: PMMA
- Approx. dimensions: outer diameter 51 mm, inner diameter 25 mm; height 3 mm
- Colour: Opal matt

Order description	Order no.	EAN no.	**BASKET GUARD 165/70**
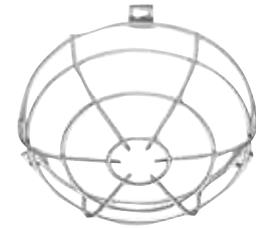
- Basket guard for wall/ceiling detector (recessed-mounted version) and also for smoke detectors
- Varnished, plastic-coated steel basket guard
- Suitable for many wall detectors with surface-mounted box of the MD and PD series and for the ceiling detectors as flush-mounted version of the MD, MD-C, MD-CE, PD, PD-C and PD-CE series and for the smoke detectors
- PROTECTOR K 9 V
- PROTECTOR K 9 V Lithium
- PROTECTOR K 230 V ~

Basket guard 165/70 white	EM10425615	4015120425615	

TECHNICAL DATA

- Approx. dimensions: Height 70 mm, Ø 165 mm
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 165 mm

70 mm
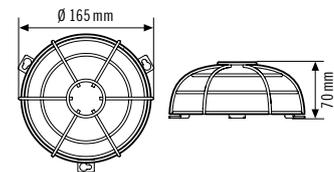
Order description	Order no.	EAN no.	**BASKET GUARD 180/90**
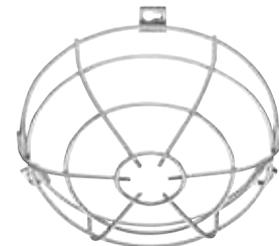
- Basket guard for wall/ceiling detectors and smoke detectors in connection with surface-mounted box
- Varnished, plastic-coated steel basket guard
- Suitable for many wall detectors with surface-mounted box of the MD and PD series and for the ceiling detectors as surface-mounted version of the MD, MD-C, MD-CE, PD, PD-C and PD-CE series and for the smoke detectors with surface-mounted box
- PROTECTOR K 9 V
- PROTECTOR K 9 V Lithium
- PROTECTOR K 230 V ~

Basket guard 180/90 white	EM10425608	4015120425608	

TECHNICAL DATA

- Approx. dimensions: Height 90 mm, Ø 180 mm
- Colour: white, similar to RAL 9010

SCALE DRAWING

Ø 180 mm

90 mm
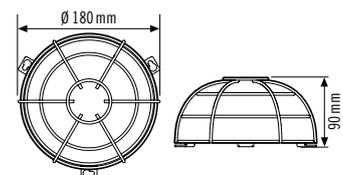
SRM-230V RELAY MODULE

Order description	Order no.	EAN no.

230 V ~	IP 20	▣	16 A

- Relay module for extending presence and motion detector switching capacity
- 16 A high-performance relay (tungsten pre-contact), ideal for switching capacitive loads such as electronic ballasts, parallel-compensated fluorescent lamps, compact fluorescent lamps, energy saving lamps
- Holder for mounting on 35 mm DIN rail included

	SRM-230V relay module, white	EP10426346	4015120426346

SCALE DRAWING
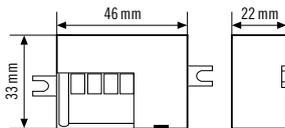
TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: -10 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Installation in recessed/surface-mounted boxes/lights, DIN rail, 35 mm
- Approx. dimensions: Height 33 mm x Width 46 mm x Length 22 mm
- Included in delivery: includes holder for DIN rail, 35 mm
- Colour: white

CIRCUIT DIAGRAMS
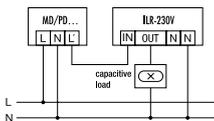
With electronic ballasts a significantly higher in-rush current compared to the rated current is to be expected. External relays, contactors, an ESYLUX relay module or a current-limiting module should be used for full load.

RC FILTER/SNUBBER

Order description	Order no.	EAN no.

230 V ~	IP 20	▣

- Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers
- Compact design for flexible use

	RC filter/snubber	EP10426988	4015120426988

SCALE DRAWING
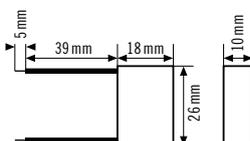
TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Approx. power consumption: 1,0 W
- Permissible ambient temperature: -40 °C ...+85 °C
- Protection type: IP 20
- Protection class: II
- Housing material: Plastic (UL94V-0)
- Approx. dimensions: Height 18 mm x Width 26 mm x Length 10 mm
- Supply line: 2x 40 mm cable
- Colour: grey

Order description	Order no.	EAN no.	**ILR-230V CURRENT-LIMITING MODULE**

230 V ~ | IP 20 | ▣

- Current-limiting module for protecting the relay contact of a presence and motion detector or an EPL module
- Specially designed for switching capacitive loads (such as electronic ballasts - limits very high in-rush currents to 10 A)
- Installation in recessed/surface-mounted boxes or lights
- Holder for mounting on 35 mm DIN rail included

ILR-230V current-limiting module, white	EP10426353	4015120426353	4 015120 426353

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: -10 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Installation in recessed/surface-mounted boxes/lights, DIN rail, 35 mm
- Approx. dimensions: Height 33 mm x Width 46 mm x Length 22 mm
- Included in delivery: includes holder for DIN rail, 35 mm
- Colour: white

SCALE DRAWING
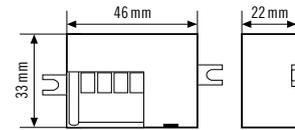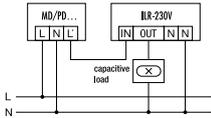
46 mm   22 mm
33 mm

CIRCUIT DIAGRAMS

MD/PD...   ILR-230V
L N L   IN OUT N N
capacitive load
L
N

With electronic ballasts a significantly higher in-rush current compared to the rated current is to be expected. External relays, contactors, an ESYLUX relay module or a current-limiting module should be used for full load.

Order description	Order no.	EAN no.	**MD CORNER BRACKET**
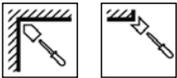
- Corner bracket for motion detectors from the MD series
- For mounting on inner and outer corners

MD corner bracket white	EM10025518	4015120025518	4 015120 025518
MD corner bracket black	EM10025532	4015120025532	4 015120 025532
MD corner bracket brown	EM10025525	4015120025525	4 015120 025525

TECHNICAL DATA

- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 65 mm x Width 72 mm x Length 25 mm
- Colour: white, similar to RAL 9010

SCALE DRAWING

72 mm   25 mm
65 mm
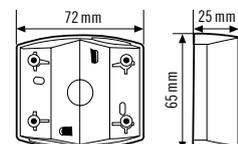
RC CORNER BRACKET

	Order description	Order no.	EAN no.
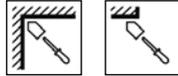
- Corner bracket for RC series motion detectors
- For mounting on inner and outer corners

	Order description	Order no.	EAN no.
	RC corner bracket white	EM10016110	4015120016110
	RC corner bracket brown	EM10016127	4015120016127
	RC corner bracket black	EM10016134	4015120016134
	RC corner bracket stainless steel appearance	EM10016141	4015120016141

SCALE DRAWING
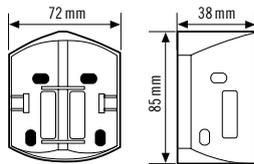
72 mm   38 mm   85 mm

TECHNICAL DATA

- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 85 mm x Width 72 mm x Length 38 mm
- Colour: white, similar to RAL 9010

MD-W COVERING CAP

	Order description	Order no.	EAN no.

- Covering cap for MD-W200i motion detector

	Order description	Order no.	EAN no.
	MD-W covering cap white	EM10041099	4015120041099
	MD-W covering cap brown	EM10041105	4015120041105
	MD-W covering cap black	EM10041112	4015120041112
	MD-W cover cap stainless steel appearance	EM10041129	4015120041129

SCALE DRAWING
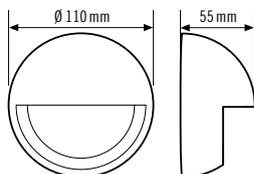
Ø 110 mm   55 mm

TECHNICAL DATA

- Approx. dimensions: depth 55 mm, Ø 110 mm
- Colour: white, similar to RAL 9010

Order description	Order no.	EAN no.	

Telescope magnet CA-C

CA-C Telescope Magnet	EC10430022	4015120430022	

MOBIL-RCi-M	Order description	Order no.	EAN no.

- End-user remote control for presence and motion detectors PD-C/MD-C360i/6 mini, PD-C/MD-C360i/8 mini, PD-C/MD-C360i/12 mini, MD-W200i, MD-CE and all RC series motion detectors, automatic light AL S 230i, automatic floodlights from the AFi series, and twilight switches CDSi-A/N and CDSi-A/N16AX

	Mobil-RCi-M silver	EM10016011	4015120016011

4 015120 016011

SCALE DRAWING
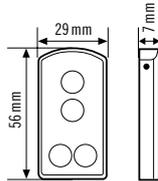
TECHNICAL DATA

- Battery operation: Lithium CR 2032 - 3V (included)
- Approx. dimensions: Height 7 mm x Width 29 mm x Length 56 mm
- Range: overcast/dark approx. 5 - 6 m, direct sunshine approx. 2 - 3 m
- Colour: silver

29 mm
7 mm
56 mm

EXPLANATION OF THE PROGRAM FUNCTIONS

Continuous lighting ON / OFF
Lighting for 12 hours permanently ON / OFF, saves having to additionally install a light switch. *The "Continuous light OFF" (12 h) function is disabled ex works. This function can be enabled during commissioning with remote control

Manual switching ON or OFF – replaces button
The lighting will remain switched on/off for as long as the detector continues to detect movement. If movement is no longer detected, the preset switch-off delay time will start.

Automatic storage of the current light value
Individual storage of the current light value at the push of a button

Reset
Resets functions and parameters

Light activation OFF
the light can be switched off by remote control at any time and from any function. "Continuous lighting OFF" can be activated during commissioning

- The remote control for quick and precise setting of various parameters (no need to climb a ladder!)
- For wall-mounted detectors of the MD 180i and PD 180i series and ceiling-mounted detectors of the MD, MD-C, PD, PD-C, MD-CE and PD-CE series

Mobil-PDi/MDi silver/metallic blue	EM10425509	4015120425509	4 015120 425509

TECHNICAL DATA

- Battery operation: Lithium CR 2032 - 3V (included)
- Approx. dimensions: Height 9 mm x Width 50 mm x Length 100 mm
- Included in delivery: includes wall-mounted holder
- Range: overcast/dark approx. 5 - 8 m, direct sunshine approx. 2 - 3 m
- Colour: Silver/metallic blue

SCALE DRAWING

50 mm
100 mm
9 mm

EXPLANATION OF THE PROGRAM FUNCTIONS

	Enter / exit programming mode to directly set parameters and functions	**Reset** Resets functions and parameters	
	Automatic storage of the current light value Individually stores the current light value (as switch-on value) at the push of a button	**Toggle between fully automatic or semi-automatic mode** fully automatic: light switches ON and OFF automatically. Semi-automatic: light is switched ON manually by button and switches OFF automatically. **Note: Only active for presence detectors**	
Light channel (c1)	**Light ON / OFF** For switching the lighting on/off manually; saves having to install an additional light switch	**Test mode** Motion is indicated by 2 flashes of the blue function LED	
Light channel (c1)	**Light values** 7 fixed, preset light values from 10 to 2000 lux at the touch of a button	**LED ON / OFF** Disables or enables the LED status indication (red/green LED)	
Light channel (c1)	**Switch-off delay times** 5 fixed preset switch-on times from 1 min to 15 min and impulse at the push of a buttonk	**Continuous lighting ON / OFF** Lighting is switched ON or OFF continuously for 4 hours; saves having to install an additional light switch	
Channel HVAC (c2)	**Switch-off delay times** 5 fixed preset switch-on times from 1 min to 60 min and impulse at the push of a button. **Note: Only active for presence detectors**		

Mobile PDi/Dali	Order description	Order no.	EAN no.

- Remote control for quick and precise setting of various parameters (no need to climb a ladder!)
- For ceiling-mounted presence detectors PD-C360i/8 Dali and PD-C360i/24 Duo Dali

	Mobil-PDi/Dali silver	EP10425899	4015120425899

4 015120 425899

SCALE DRAWING

50 mm
9 mm
100 mm

TECHNICAL DATA

- Battery operation: Lithium CR 2032 - 3V (included)
- Approx. dimensions: Height 9 mm x Width 50 mm x Length 100 mm
- Included in delivery: includes wall-mounted holder
- Range: overcast/dark approx. 5 - 8 m, direct sunshine approx. 2 - 3 m
- Colour: silver

EXPLANATION OF THE PROGRAM FUNCTIONS

	Enter / exit programming mode to directly set parameters and functions		RESET	**Reset** Resets functions and parameters
	Automatic storage of the current light value Individually stores the current light value (as switch-on value) at the push of a button		A/M	**Toggle between fully automatic or semi-automatic mode** fully automatic: light switches ON and OFF automatically. Semi-automatic: light is switched ON manually by button and switches OFF automatically.
Light channel (c1 + c2) ON/OFF	**Light ON / OFF** For switching the lighting on/off manually; saves having to install an additional light switch		TEST	**Test mode** Motion is indicated by 2 flashes of the blue function LED
Light channel (c1 + c2) DIM	**Dimmer function** Manual light dimming at the touch of a button		10/20% ON — 10/20% OFF 10% 20%	**Orientation light ON / OFF** **Orientation light (10% or 20%)**
Light channel (c1) 100 lux c1-50% — c1-c2	**Light value channel 1** 6 fixed preset light values from 100 lux to daytime operation at the push of a button		10/20% 1min — 10/20% 60min	**Switch-off delay times for orientation light (10% or 20%)** 4 fixed preset switch-on times from 1 min to 60 min at the push of a button
Light channel (c2) 100 lux c1-50% — c1=c2	**Light value channel 2** Percentage control difference for channel c2 in relation to light value "c1"		c1 c2	**Channel selection** Switch between channel 1 and 2 at the push of a button
Light channel (c1 + c2) 1min — 15min	**Switch-off delay times** 4 fixed preset switch-on times from 1 min to 15 min at the push of a button		ON/OFF	**LED ON / OFF** Disables or enables the LED status indication (red / green LED)

- Remote control for quick and precise setting of various parameters (no need to climb a ladder!) for many ceiling-mounted presence detectors of the PD-C/PD-C Dim/DuoDim/DuoPlus series

Mobil-PDi/plus silver/metallic green	EM10425530	4015120425530	

4 015120 425530

TECHNICAL DATA

- Battery operation: Lithium CR 2032 - 3V (included)
- Approx. dimensions: Height 9 mm x width 50 mm x length 100 mm
- Included in delivery: includes wall-mounted holder
- Range: overcast/dark approx. 5 - 8 m, direct sunshine approx. 2 - 3 m
- Colour: Silver/metallic green

SCALE DRAWING

50 mm
100 mm
9 mm

EXPLANATION OF THE PROGRAM FUNCTIONS

Enter/exit programming mode	to directly set parameters and functions	**Test mode**	Motion is indicated by 2 flashes of the blue function LED
Automatic storage of the current light value	Individually stores the current light value (as switch-on value) at the push of a button	**Toggle between fully automatic or semi-automatic mode**	fully automatic: light switches ON and OFF automatically. Semi-automatic: light is switched ON manually by button and switches OFF automatically
Light channel (c1 - c3) **Light ON / OFF**	For switching the lighting on/off manually; saves having to install an additional light switch	**Orientation light switch-off delay times**	4 fixed preset switch-on times from 1 min to 60 min at the push of a button
Light channel (c1 + c2) **Dimmer function**	Manual light dimming at the touch of a button	**Orientation light ON / OFF**	Switching on or off of orientation light = 10/20/30% light output (depending on model)
Light channel (c1 + c2) **Light values**	6 fixed preset light values from 100 lux to daytime operation at the push of a button	**Channel selection**	Switch between channel 1, 2 and 3 at the push of a button
Channel (c1 + c3) **Switch-off delay times**	4 fixed preset switch-on times from 1 min to 15 min and impulse at the push of a button	**LED ON / OFF**	Disables or enables the LED status indication (red/green LED)
Reset	Resets functions and parameters		

	Order description	Order no.	EAN no.

- End-user remote control for quick and precise setting of various parameters (no need to climb a ladder!)
- For many ceiling-mounted presence detectors of the PD and PD-C series

	Mobil-PDi/User silver/metallic green	EM10425547	4015120425547

SCALE DRAWING

TECHNICAL DATA

- Battery operation: Lithium CR 2032 - 3V (included)
- Approx. dimensions: Height 9 mm x Width 50 mm x Length 100 mm
- Included in delivery: includes wall-mounted holder
- Range: overcast/dark approx. 5 - 8 m, direct sunshine approx. 2 - 3 m
- Colour: Silver/metallic green

50 mm

9 mm

100 mm

EXPLANATION OF THE PROGRAM FUNCTIONS

Light channel (c1)	**Dimmer function** Manual light dimming at the touch of a button		**Light ON / OFF** For switching the lighting on/off manually; saves having to install an additional light switch	
OK	**Temporary storage of dimmer / light value**	**Light channel (c1 - c3)**	**Light ON / OFF (master)** Manual switching on/off of lighting for 4 hours continuously ON / OFF for all channels (c1 - c3	
	Light ON / OFF For switching the lighting on/off manually; saves having to install an additional light switch		**Light ON / OFF (master)** For switching the lighting on/off manually; saves having to install an additional light switch	
Light channel (c2)	**Dimmer function** Manual light dimming at the touch of a button		**Storage of individual light scenes at the push of a button**	
OK	**Temporary storage of dimmer/light value**		**Activation of the stored light scene**	
	Light ON / OFF For switching the lighting on/off manually; saves having to install an additional light switch		**Reset** Resets functions and temporary parameters	
Light / HVAC channel (c3)	**Light ON / OFF** Manual switching on/off of lighting for 4 hours continuously ON / OFF for channel c3			

Order description	Order no.	EAN no.	**Mobil-PDi/DALI ADR**

- Remote control for quick and precise setting of various parameters (no need to climb a ladder!)
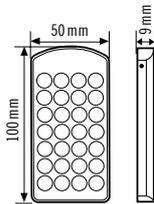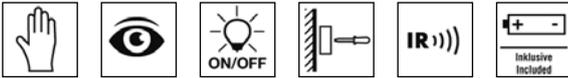- For ceiling-mounted presence detector PD 360i/8 DALI ADR

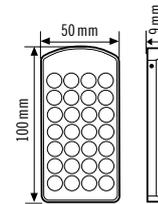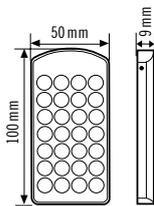| Mobil-PDi/DALI ADR black	EM10210891	4015120210891	

TECHNICAL DATA

- Battery operation: Lithium CR 2032 - 3V (included)
- Approx. dimensions: Height 12 mm x Width 50 mm x Length 105 mm
- Included in delivery: includes wall-mounted holder
- Colour: black

SCALE DRAWING

50 mm
102 mm
8 mm

EXPLANATION OF THE PROGRAM FUNCTIONS

Open programming mode
The light channel switches on. Whilst in programming mode, the detector's motion sensor is disabled.

Close programming mode
Settings are stored. The detector will now operate automatically according to the preset values.

Note: If the programming mode is not closed by pressing the button, the detector automatically closes the programming mode 2 minutes from pressing a key. All of the functions set up to that point will be adopted.

Manual ON / OFF
Lighting permanently ON/OFF for 8 hours.

8 h ON
The lighting remains permanently switched on for 8 hours. In this mode, the LED will flash as follows: 1 second ON and 5 seconds OFF. In this mode, the detector does not respond to a presence. To exit this mode, press the 8 h ON button.

8 h OFF
The lighting is constantly switched off for 8 hours. 8 h OFF mode is indicated by the LED flashing in a sequence of 1 second ON and 5 seconds OFF. In this mode, the detector does not respond to presence. To exit this mode, press the 8 h OFF button.

Setting of target brightness value (10 lux - 2000 lux)
Press the buttons to adjust the brightness set value.
The summing function can also be used.

Automatic storage of the current light value
Individually stores the current light value (as switch-on value) at the touch of a button.

Setting the switch-off delay time
If no movement is detected, the switch-off delay time starts.
1 min.   10 min. | 3 min.   30 min. | 5 min.   50 min.
Intermediate values are possible with the **"summing function"**.

Switching between fully automatic and semi-automatic mode of light channel
Semi-automatic mode, **LED** comes on for approx. 4 sec. Fully automatic mode, **LED** flashes 20 x.

Summing function
This button can be used to obtain the sum of two values of the same unit (lux/switch-off delay time/switch-off delay for orientation light).
Example: 50 lux + 150 lux = 200 lux   1 min. + 5 min. = 6 min.

The channel is switched on permanently during the test operation
For each detected movement, regardless of the ambient brightness, the LED comes on for 2 seconds. At the same time a DALI signal is emitted.
To exit, press the **"Test"** button.

Reinstating factory settings
Confirmed by flashing **red LED** on the detector. The presence detector operates according to the potentiometer settings.

Switching on the orientation light
When pressed for the first time, the orientation light will be set to the preset value (lux and switch-off delay time of orientation light). The LED will flash quickly for 2 seconds. The lighting will be switched on in standby mode. The lighting will turn off once the switch-off delay time of the orientation light has elapsed.

Switch-off of orientation light
When the button is pressed, the detector will exit orientation light mode.

Orientation light switch-off delay times
Three switch-on times (5, 15 and 60 minutes) at the push of a button.
The addition function can be used.

Light output of the orientation light
Orientation light = 10/30/50%.
The addition function can be used.

Dimmer function
When the buttons are pressed, the detector will start decreasing or increasing the illuminance. If programming mode is not active, the value will not be stored. Switching on refers to switching the detector back on again. When the detector switches off, the changes will not be saved.
When the detector is switched on again, the previously saved values (programming mode) are active. If programming mode is active, the set value will be stored.

Selecting the channel
Channel 1 is always active. Channel 2 is not active/available.

SENSORS ACCESSORIES | 269

MOBIL-RCi	Order description	Order no.	EAN no.

- Remote control for quick and precise setting of various parameters (no need to climb a ladder!)
- For the following devices: motion detectors RC 130i, RC 230i, RC 280i and automatic light AL S 230i

4 015120 016004	Mobil-RCi silver	EM10016004	4015120016004

SCALE DRAWING

50 mm
9 mm
100 mm
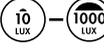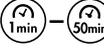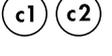
TECHNICAL DATA

- Battery operation: Lithium CR 2032 - 3V (included)
- Approx. dimensions: Height 9 mm x Width 50 mm x Length 100 mm
- Included in delivery: includes wall-mounted holder
- Range: overcast/dark approx. 5 - 6 m, direct sunshine approx. 2 - 3 m
- Colour: silver

EXPLANATION OF THE PROGRAM FUNCTIONS

	Enter / exit programming mode		**Impulse feature**	
	to directly set parameters and functions	PULSE	Use of the motion detector as a light barrier for passage detection = 1 sec ON – 9 sec OFF at the push of a button	
	Automatic storage of the current light value		**Reset**	
	Individually stores the current light value (as switch-on value) at the push of a button	RESET	Resets functions and parameters	
12h ON/OFF	**Continuous lighting ON / OFF**	T TEST	**Test mode**	
	Lighting is switched ON or OFF continuously for 12 hours; saves having to install an additional light switch. The "Continuous Lighting OFF" (12 h) function is disabled in the factory settings. This function can be enabled during commissioning with remote control		Motion is indicated by 2 flashes of the blue function LED. Optional light ON / OFF possible	
		360° ON/OFF	**360° anti-creep protection**	
			Switching the anti-creep protection on and off	
	"Day and night operation" light value	ON/OFF	**LED display**	
	Fixed light value of approx. 2500 lux is saved by pressing a button		Multi-functional display can be switched off after programming	
	"Twilight start" light value	((▲))	**Alarm function**	
	Fixed light value of approx. 100 lux is saved by pressing a button		Flashing of the lighting for 30 seconds or an audible signal (using an external device) indicates an intrusion into the field of detection	
	"Night operation" light value		**Holiday program**	
	Fixed light value of approx. 25 lux is saved by pressing a button		Presence in the house signalled by twilight-based activation of lighting	
	"Night operation" light value	S	**Sensitivity adjustment**	
	Fixed light value of approx. 2 lux is saved by pressing a button		Setting the sensitivity (range) on initial installation or change	
15 sec – 30 min	**Switch-off delay times**	X·	**Light activation OFF**	
	9 fixed switch-on times of 15 seconds to 30 minutes at the push of a button		the light can be switched off by remote control at any time and from any function. "Continuous lighting OFF" can be activated during commissioning	

- Remote control for quick and precise setting of various parameters (no need to climb a ladder!)
- For wall-mounted detectors of the MD 180i and PD 180i series and ceiling-mounted detectors of the MD, MD-C, PD, PD-C, MD-CE, PD-CE and PD ATMO series

Mobil-PDi/MDi-universal white	EP10433993	4015120433993	

TECHNICAL DATA

- Battery operation: 2 x 1.5 V, Type Micro, AAA
- Housing material: ABS
- Approx. dimensions: Height 20 mm x Width 58 mm x Length 105 mm
- Colour: white, similar to RAL 9010

SCALE DRAWING

58 mm

20 mm

105 mm
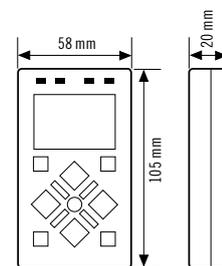
KNX AND DALI
BUS COMPONENTS
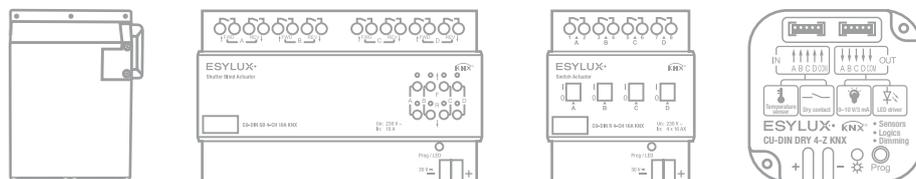
KNX AND DALI
BUS COMPONENTS

Digital field bus communications are a permanent fixture in the modern building automation toolbox. They not only facilitate the centralised control of components, but also enable particularly accurate adjustment and coordination of a large number of parameters. The result: automation which is even more closely matched to the user's needs. ESYLUX has therefore developed a great many controls, actuators, interfaces and special modules for KNX and DALI in order to allow the optimum interaction of sensors and end devices and make buildings even more intelligent. This means that users can achieve increased energy efficiency, convenience and safety via a variety of solutions, all from a single source.

INHALT

SWITCH ACTUATOR
DALI SWITCH

MORE THAN JUST LIGHTING

The days when DALI was used solely to control lighting are long past. Nowadays the DALI switch by ESYLUX can also be used to integrate conventional devices into presence-controlled systems and reduce energy consumption on a cross-component basis. Whether in a fully automatic or semi-automatic version, the switch's additional switching channel guarantees efficient automation of all the technology in a room, from ventilation to multimedia devices to air-conditioning units. The multiple digital channels provided by both versions of the switch provide even more flexibility, and mean that up to three different switch-off delay times can be implemented at the same time within the same DALI system.

Light control
e.g. with PD-C360i/24 DUO DALI
(EP10427459, available separately, **p. 172**)

Power supply
with the CU PS DALI power pack
(EC10430008, available separately, **p. 308**)

ADVANTAGES AT A GLANCE:

SIMPLE
Easy to install due to bus cabling

TIME-SAVING
Rapid commissioning by using factory settings

EXTENDIBLE
Multiple devices can be controlled via DALI bus

RAPID COMMISSIONING
No programming required (DALI broadcast)

EASY TO USE
Switch input for manual control

POWERFUL
Floating 10-A relay contact

COMPATIBLE
Simple integration of conventional dimmers, twilight switches etc.

FLEXIBLE I
Maximum flexibility thanks to separate switch actuators (flush-mounted option)

DALI-SWITCH:

	Product designation	Item no.	Page
DALI	SW DALI Semi Automation	EP10427480	291
	SW DALI Full Automation	EP10427473	292

WANT TO KNOW MORE?

For more information on the DALI switch by ESYLUX, simply scan the QR code!

CONTROL
ROOM CONTROLLER BOX

COMPACT SWITCHING CABINET

The room controller box is a compact, decentralised alternative to a large switching cabinet. Together with the associated sensors, the cross-component switch actuators and interfaces within the one small housing ensure that ideal lighting, air and temperature conditions can be created in a room. The method of installation is just as impressive: positioning the box directly in the room reduces cable runs to a minimum, and simple plug connections avoid time-consuming wiring procedures. The box can be integrated into a KNX building automation system or operated on a stand-alone basis; precise and demand-based configuration of parameters is an easy task thanks to the large number of communication objects.

Central timer
for actuators: PD 360i/8 LIN
(EB10430619, available separately, **p. 283**)

Control of heating elements
with thermoelectric drives
EA-C TEVD 230 V (EC10430053, available separately, **p. 290**)

ADVANTAGES AT A GLANCE:

SIMPLE
Connection via simple plug-in contacts

PLUG & PLAY
Simply preconfigure and install on site

KNX-DALI GATEWAY
Continuous lighting control of up to 12 DALI electronic ballasts (broadcast or 4 lamp groups)

2X 230-V SWITCHING OUTPUT
e.g. for additional lamps, blinds or HVAC actuators

TIME-SAVING
Problem-free installation for renovations and restorations

2 BINARY INPUTS
for manual control of lighting or other end devices

RJ-45 EXTENSION BUS
Connection of 2 bi-directional 0–10 V inputs and outputs (e.g. ventilation flaps)

KNX
Power supply

2X SWITCHING OUTPUTS
for PWM control of thermoelectric drives

230 V
Power supply

RAUM-CONTROLLER-BOX:

	Product designation	Item no.	Page
KNX	CU-C RCB KNX DALI WAGO	EC10430015	282

WANT TO KNOW MORE?
For more information on the ROOM CONTROLLER BOX by ESYLUX, simply scan the QR code!

ROOM AUTOMATION SYSTEM
KNX TOP-HAT RAIL MODULE

SCALABLE MODULARITY FOR KNX

The impressively well-thought-out modular principle of the KNX room automation system means that it represents the perfect complement to the KNX sensors by ESYLUX. The correct combination for almost any application can be put together from the comprehensive selection of individual top-hat rail modules, whether for individual rooms or entire buildings, and on a cross-component basis. The result — flexible concepts tailored to the needs of users. Thanks to their extensive functionality, the modules guarantee optimum connection to and integration of control and end devices and provide a quick route to achieving energy efficiency class A.

HVAC control
with CU-DIN HVAC KNX
(EC10430503, **p. 300**)

Blind control
with CU-DIN SB 4-CH 10 A KNX
(EC10430374, **p. 299**)

ADVANTAGES AT A GLANCE:

VERSATILE
Comprehensive selection
of KNX modules

COMPREHENSIVE
Complete room
and building automation

EXPANDABLE
A system which is
scalable at any time

AIR
Ventilation control

UNIVERSAL
From simple threshold value
control to the sequential
control of entire scenes

FLEXIBLE
Switching and dimmer actuators,
special actuators for blinds and HVAC

LIGHTING
Continuous lighting control

SHADE
Control of shade devices

TEMPERATURE
Regulation of heating and
cooling elements

CROSS-SYSTEM
Interface modules for
cross-system
communication

OVERVIEW OF KNX TOP-HAT RAIL MODULES:

	Product designation	Item no.	Page
KNX	CU-DIN R 4-CH 16A KNX	EC10430282	296
	CU-DIN R 8-CH 16A KNX	EC10430299	296
	CU-DIN R 12-CH 16A KNX	EC10430305	297
	CU-DIN DIM 4-CH 1.5A KNX	EC10430312	297
	CU-DIN DIM 6-CH 0…10V KNX	EC10430329	298
	CU-DIN SB 2-CH 10A KNX	EC10430343	298
	CU-DIN SB 4-CH 10A KNX	EC10430350	299
	CU-DIN SB 6-CH 10A KNX	EC10430367	299
	CU-DIN HVAC KNX	EC10430503	300
	CU-DIN IPRT KNX	EC10430527	304
	CU-DIN LC KNX	EC10430534	304

	Product designation	Item no.	Page
KNX	CU-DIN LC KNX	EC10430534	305
	CU-DIN USB KNX	EC10430541	305
	CU-DIN PS 640 KNX	EC10430565	308
	CU-DIN PS 960 KNX	EC10430374	309
	CU-DIN DRY 4-Z KNX	EC10430381	286

WANT TO KNOW MORE?

For more information on the
room automation system by ESYLUX,
simply scan the QR code!

CONTROLS

BUS COMPONENTS

Controls are responsible for organising cross-system communications between sensors, actuators and interfaces for the purpose of building automation. They are implemented as centralised or decentralised solutions to guarantee that processes involving more than one participant run smoothly and that coordinated, cross-component functionality can be achieved by the automation system. ESYLUX offers its customers flexible and future-proof systems for this purpose which have proven their worth as ingenious solutions for both new-builds and renovations. As a key contributor to information processes and structures, they provide a major boost to energy efficiency, comfort and safety.

CONTENTS
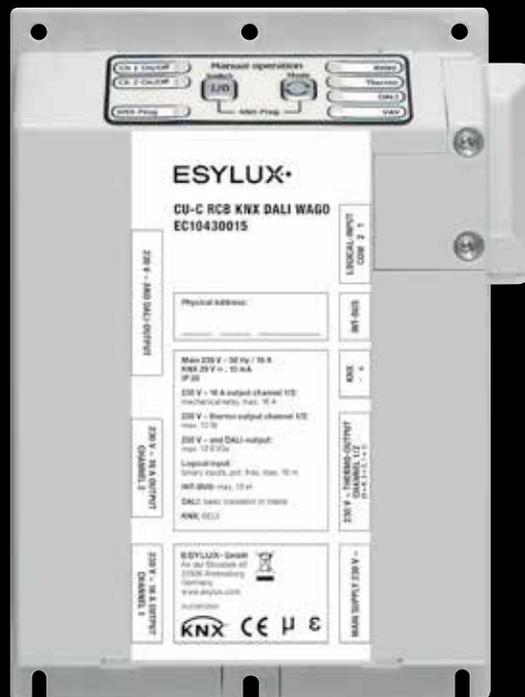
Order description	Order no.	EAN no.

- KNX room controller for controlling different room functions including lighting, heating, cooling and ventilation

	CU-C RCB KNX DALI WAGO	EC10430015	4015120430015

SCALE DRAWING

140 mm 40 mm

190 mm
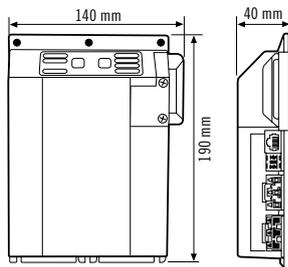
TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz, from KNX bus 29 - 31 V
- Approx. power consumption: < 0.3 W
- Power consumption: 10 mA
- Setting options: remotely with ETS-Software
- Permissible ambient temperature: 5 °C ...+45 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Surface mounting
- Housing material: PC + ABS
- Installation dimension: Installation depth [mm] 40 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Weight: 0,5 kg
- Number of switching contacts (potential-free contacts): 4
- Number of inputs: 2
- Nominal voltage: 230 V AC/50 Hz
- Rated current: max. 16 A
- Rated current (cos phi = 0.8): max. 16 A
- DC switching capacity (resistive load): 16A / 12V DC

- Switching capacity of light bulbs: 3500 W
- Electrical service life: > 100,000
- Mechanical service life: > 100,000
- Power loss: 4,0 W
- **Channel 1: DALI**
- Interface: switching/dimming
- Contact: Break contact/Make contact
- Switch input: yes
- Switch-off delay time: disabled/30 sec. - 12 hours
- Orientation light: disabled/0 - 50 %, 2 values can be selected
- Switch-off delay time, orientation light: disabled/30 sec. - 12 hours
- Colour: grey

Accessories (detailed on page 310 - 323)

PD 360i/8 LIN	EB10430619	4015120430619
CA-C Mobil-CU-C	EC10430039	4015120430039
CA-C Coupler RJ45 1:1	EC10430169	4015120430169
CA-C Y coupler RJ45 1:2	EC10430176	4015120430176
CA-C P coupler RJ45 1:1	EC10430183	4015120430183
CA-C Splitter RJ45 1:2	EC10430190	4015120430190
CA-C Binary Input RJ45 1-CH	EC10430206	4015120430206
CA-C Patch Cable RJ45 0.1m	EC10430213	4015120430213
CA-C Patch Cable RJ45 1.0m	EC10430220	4015120430220
CA-C Patch Cable RJ45 3.0m	EC10430237	4015120430237
CA-C Patch Cable RJ45 5.0m	EC10430244	4015120430244
CA-C Cable 230V WAGO 1m	EC10430251	4015120430251
CA-C plug set WAGO	EC10430268	4015120430268
CA-C PLUG TEVD WAGO	EC10430275	4015120430275
EA-C I/O analogue LIN	EC10430152	4015120430152
EA-C TEVD 230V	EC10430053	4015120430053
CU-DIN PS 960	EC10430374	4015120430374
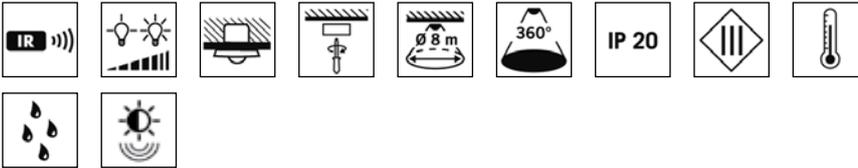
- Presence and brightness sensor
- Temperature and humidity sensor
- Two binary inputs
- RJ45 connection for KNX multi-controller
- 8 m range of detection
- Remote controllable

| PD 360i/8 LIN | EB10430619 | 4015120430619 | |

TECHNICAL DATA

- Mains voltage: LIN-BUS
- Setting options: electronically via infrared remote control
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Installation type: Recessed ceiling mounting
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 33 mm, Ø 99 mm
- Installation dimension: Installation depth 12 mm, Installation hole size Ø 68
- Silicone-free housing: yes
- Approx. power consumption: < 0.3 W
- Field of detection: 360°
- Range: approx. 8 m in Ø, at an installation height of 3 m to 5 m
- Slave input: no
- **Channel 1: Lighting**
- Interface: switching/dimming
- Switch input: no
- Colour: white, similar to RAL 9010

SCALE DRAWING

71 mm   42 mm
71 mm   41 mm
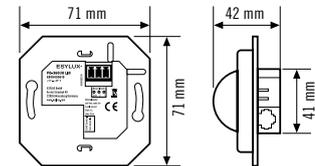
Accessories (detailed on page 310 - 323)

• CA-C Mobil-CU-C	EC10430039	4015120430039
• CA-C WMB for Mobil-CU-C	EC10430046	4015120430046
• CA-C Y coupler RJ45 1:2	EC10430176	4015120430176
• CA-C P coupler RJ45 1:1	EC10430183	4015120430183
• CA-C Splitter RJ45 1:2	EC10430190	4015120430190
• CA-C Patch Cable RJ45 3.0m	EC10430237	4015120430237
• CA-C Patch Cable RJ45 5.0m	EC10430244	4015120430244

FIELD OF DETECTION
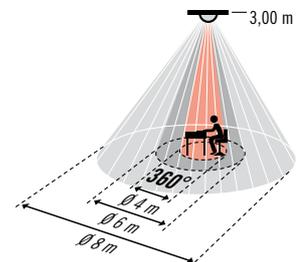
3,00 m

360°
Ø 4 m
Ø 6 m
Ø 8 m

Operating area approx. Ø 4 m

Head-on to detector approx. Ø 6 m

Passage area / diagonally to detector approx. Ø 8 m

CIRCUIT DIAGRAMS

KNX (TP)
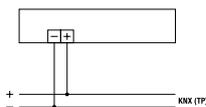
Standard operation

INPUTS AND OUTPUTS

BUS COMPONENTS

Electronic input and output modules form a bridge between the digital and non-digital world as well as ensuring that signals are transmitted rapidly and flexibly, thereby functioning as a vital link between the participants in a bus system. Their insignificant size belies their functional importance, whether for converting and transmitting decentralised sensor signals, linking intelligent logic functions or accessing entire scenes. The ESYLUX modules demonstrate not only an impressively high level of flexibility, but also extensive options for configuring parameters as well as efficient and reliable operation.

CONTENTS

Order description	Order no.	EAN no.

KNX · **230 V** · **IP 20** · **16AX** · **DALI** · **ETS** · **1-10 V**

- KNX 4-channel dry contact, 2 inputs: Temperature measurement and dry contact, 2 outputs: 0-10V

CU-DIN DRY 4-Z KNX	EC10430381	4015120430381

4 015120 430381

SCALE DRAWING

50 mm — 14 mm
50 mm

IN / OUT
A B C D COM / A B C D COM
Temperature sensor · Dry contact · 0–10 V/3 mA · LED driver
ESYLUX · KNX · Sensors · Logics · Dimming
CU-DIN DRY 4-Z KNX
+ − ☀ Prog
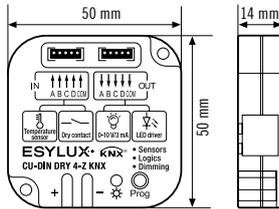
TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Approx. power consumption: < 0.6 W
- Power consumption: 24 mA
- Setting options: remotely with ETS-Software
- Permissible ambient temperature: 0 °C ...+45 °C
- Protection type: IP 54
- Protection class: II
- Installation type: Recessed mounting
- Installation dimension: Installation depth 14 mm
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Number of switching contacts (potential-free contacts): 4
- Number of inputs: 4
- Number of analogue outputs: 4
- Rated voltage of analogue outputs: 0 - 10 V DC
- Rated current of analogue outputs: 3 mA
- Colour: grey

Accessories (detailed on page 310 - 323)

• CA-DIN TP for DRY 2.5m	EC10430398	4015120430398

ACTUATORS

BUS COMPONENTS

Wherever there is a sensor in a bus system, the actuator is never far away. The digital telegrams received must first be converted into the final control signals before end devices can be triggered. ESYLUX provides a matching range of electrical modules for this purpose which ensure that system commands from centralised building automation systems or individual field devices give rise to the correct actions. They play an indispensable role in our cross-component complete solutions, whether for switching and dimming lighting or as blind and HVAC drives.

CONTENTS

EA-C TEVD 230V	Order description	Order no.	EAN no.
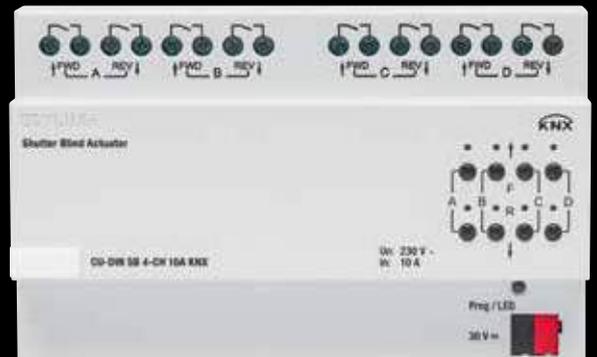
- Thermoelectric actuator

	EA-C TEVD 230V	EC10430053	4015120430053

4 015120 430053

TECHNICAL DATA

- Mains voltage: 230 V/50 - 60 Hz
- Approx. power consumption: 1,8 W
- Approx. power consumption: 1.8 W
- Permissible ambient temperature: 0 °C ...+60 °C
- Protection type: IP 54
- Protection class: II
- Colour: white, similar to RAL 9003

Accessories (detailed on page 310 - 323)

• AA-C TEVD Cable 1m	EC10430077	4015120430077
• AA-C TEVD Cable 5m	EC10430084	4015120430084
• AA-C TEVD adaptor VA80	EC10430091	4015120430091
• AA-C TEVD Adaptor VA78	EC10430107	4015120430107
• AA-C TEVD Adaptor VA55H	EC10430114	4015120430114
• AA-C TEVD Adaptor VA02	EC10430121	4015120430121
• AA-C TEVD Adaptor VA50	EC10430138	4015120430138
• AA-C TEVD Adaptor VA10	EC10430145	4015120430145

230 V ~   DALI   IP 20   ▣

- Fully automatic or semiautomatic device
- Key input for manual control
- Potential-free relay with 10-A switching capacity

| SW DALI Semi Automation | EP10427480 | 4015120427480 | |

4 015120 427480

TECHNICAL DATA

- Mains voltage: DALI BUS
- Approx. power consumption: < 0.2 W
- Permissible ambient temperature: 0 °C …+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Installation in recessed/surface-mounted boxes/lights
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 25 mm, Ø 55 mm
- Installation dimension: Installation depth [mm] 25 mm, Installation hole size Ø 60 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Number of switching contacts (potential-free contacts): 1
- Nominal voltage: 230 V AC/50 Hz
- Rated current (cos phi = 0.8): max. 10 A
- DC switching capacity (resistive load): 10A / 12V DC
- Switching capacity of light bulbs: 2300 W
- **Channel 1: HVAC**

- Interface: Switching
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5), 12/24 V DC/5 A, floating relay contact
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: approx. 1 minute – 240 minutes
- Colour: white, similar to RAL 9010

SCALE DRAWING

45 mm   25 mm
48 mm

Note: This function is only possible with the products PD-C 360i/8 Duo DALI (EP10427442) and PD-C 360i/24 Duo DALI (EP10427459) from version B onwards.

CIRCUIT DIAGRAMS

Standard operation

SW DALI FULL AUTOMATION	Order description	Order no.	EAN no.

230 V ~ | **DALI** | **IP 20** | ▣

- Fully automatic or semiautomatic device
- Key input for manual control
- Potential-free relay with 10-A switching capacity

	SW DALI Full Automation	EP10427473	4015120427473

4 015120 427473

SCALE DRAWING

45 mm   25 mm
48 mm

TECHNICAL DATA

- Mains voltage: DALI BUS
- Approx. power consumption: < 0.2 W
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Installation in recessed/surface-mounted boxes/lights
- Housing material: UV-stabilised polycarbonate
- Approx. dimensions: Height 25 mm, Ø 55 mm
- Installation dimension: Installation depth [mm] 25 mm, Installation hole size Ø 60 mm
- Terminal: 2,5 mm² / 1,5 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: CE, RoHS
- Silicone-free housing: yes
- Number of switching contacts (potential-free contacts): 1
- Nominal voltage: 230 V AC/50 Hz
- Rated current (cos phi = 0.8): max. 10 A
- DC switching capacity (resistive load): 10A / 12V DC
- Switching capacity of light bulbs: 2300 W
- **Channel 1: HVAC**

- Interface: Switching
- Contact: make contact/floating
- Switching capacity channel 1: 230 V AC 50 Hz, 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ =0.5), 12/24 V DC/5 A, floating relay contact
- In-rush current: 78 A / 5 ms
- Switch input: yes
- Switch-off delay time: approx. 1 minute – 240 minutes
- Colour: white, similar to RAL 9010

Note: This function is only possible with the products PD-C 360i/8 Duo DALI (EP10427442) and PD-C 360i/24 Duo DALI (EP10427459) from version B onwards.

CIRCUIT DIAGRAMS
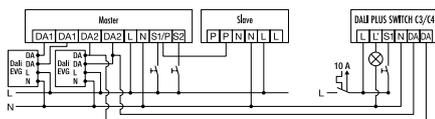
Standard operation

ACTUATORS

KNX
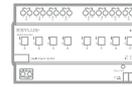
Product designation	CU-DIN R 4-CH 16A KNX	CU-DIN R 8-CH 16A KNX	CU-DIN R 12-CH 16A KNX
Item number	EC10430282	EC10430299	EC10430305
Mains voltage	from KNX bus 29 - 31 V	from KNX bus 29 - 31 V	from KNX bus 29 - 31 V
Power consumption	15 mA	15 mA	15 mA
Installation type	DIN rail, 35 mm	DIN rail, 35 mm	DIN rail, 35 mm
Protection type	IP 20	IP 20	IP 20
Special product features	Time functions, blinds functions (simple), PWM control for heating / cooling, logic functions	Time functions, blinds functions (simple), PWM control for heating / cooling, logic functions	Time functions, blinds functions (simple), PWM control for heating / cooling, logic functions
Number of switching contacts (floating contacts)	4	8	12
Number of analogue outputs	-	-	-
Nominal voltage	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz
Power loss	2.7 W	5.4 W	8.0 W
Rated current	max. 16 A	max. 16 A	max. 16 A
Rated current (cos ? = 0,8)	12 A	max. 16 A	max. 16 A
Min. switching capacity	0,1mA / 1V	0,1mA / 1V	0,1mA / 1V
DC switching capacity (resistive load)	16A / 12V DC	16A / 12V DC	16A / 12V DC
Switching capacity incandescent lamps	3500 W	3500 W	3500 W
Switching capacity engines	3000 W	3000 W	3000 W
Switching capacity inductive transformers	1800 W	1800 W	1800 W
Switching capacity fluorescent lamps (parallel compensated)	2000 W	2000 W	2000 W
Switching capacity fluorescent lamps (uncompensated)	3500 W	3500 W	3500 W
Nominal voltage analog outputs	-	-	-
Nominal current analog outputs	-	-	-
Horizontal pitch (HP)	4	8	12
SEE PAGE	296	296	297
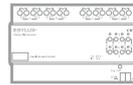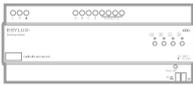
CU-DIN DIM 4-CH 1.5A KNX	CU-DIN DIM 6-CH 0…10V KNX	CU-DIN SB 2-CH 10A KNX	CU-DIN SB 4-CH 10A KNX	CU-DIN SB 6-CH 10A KNX	CU-DIN HVAC KNX
EC10430312	EC10430329	EC10430343	EC10430350	EC10430367	EC10430503
from KNX bus 29 - 31 V	from KNX bus 29 - 31 V	from KNX bus 29 - 31 V	from KNX bus 29 - 31 V	from KNX bus 29 - 31 V	from KNX bus 29 - 31 V
15 mA	15 mA	15 mA	15 mA	15 mA	15 mA
DIN rail, 35 mm	DIN rail, 35 mm	DIN rail, 35 mm	DIN rail, 35 mm	DIN rail, 35 mm	DIN rail, 35 mm
IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
Time functions, PWM control for heating / cooling, logic functions	Time functions, blinds functions (simple), PWM control for heating / cooling, logic functions	Blinds functions (extensive), PWM control for heating / cooling, time functions logic functions	Blinds functions (extensive), PWM control for heating / cooling, time functions logic functions	Blinds functions (extensive), PWM control for heating / cooling, time functions logic functions	PWM control for heating / cooling, blinds functions (simple), time functions, logic functions, threshold value monitoring, scene number by object
4	6	2	4	6	5
-	6	-	-	-	2
230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz
8.0 W	2.0 W	2.7 W	5.4 W	8.0 W	2.0 W
1.5 A	max. 10 A	max. 10 A	max. 10 A	max. 10 A	max. 10 A
-	max. 16 A	max. 10 A	max. 10 A	max. 10 A	max. 10 A
-	0,1mA / 1V	0,1mA / 1V	0,1mA / 1V	0,1mA / 1V	0,1mA / 1V
-	10A / 12V DC	10A / 12V DC	10A / 12V DC	10A / 12V DC	10A / 12V DC
-	1600 W	1600 W	1600 W	1600 W	1600 W
-	746 W	746 W	746 W	746 W	746 W
-	1000 W	1000 W	1000 W	1000 W	1000 W
-	1000 W	1000 W	1000 W	1000 W	1000 W
-	800 W	800 W	800 W	800 W	800 W
-	0-10V DC, 1-10V DC	-	-	-	0 - 10 V DC
-	24mA	-	-	-	10 mA
12	8	4	8	12	4
297	**298**	**298**	**299**	**299**	**300**

CU-DIN R 4-CH 16A KNX

Order description	Order no.	EAN no.

- KNX DIN rail module, switch actuator, 4-way, 16-A switching capacity per channel

CU-DIN R 4-CH 16A KNX	EC10430282	4015120430282

SCALE DRAWING

65 mm
35 mm
45 mm
90 mm
49 mm
72 mm

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Approx. power consumption: < 0.4 W
- Power consumption: 15 mA
- Standby consumption: < 150 mW
- Setting options: remotely with ETS-Software
- Permissible ambient temperature: 0 °C ...+45 °C
- Protection type: IP 20
- Protection class: II
- Installation type: DIN rail, 35 mm
- Installation dimension: Installation depth 65 mm
- Terminal: 0,2 - 6 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: RoHS, CE
- Number of switching contacts (potential-free contacts): 4
- Nominal voltage: 230 V AC/50 Hz
- Rated current: max. 16 A
- Rated current (cos phi = 0.8): 12 A
- Min. switching capacity: 0.1mA / 1V
- DC switching capacity (resistive load): 16A / 12V DC
- Switching capacity of light bulbs: 3500 W

- Switching capacity of motor: 3000 W
- Switching capacity of inductive transformer: 1800 W
- Switching capacity of fluorescent lamps (parallel compensated): 2000 W
- Switching capacity of fluorescent lamps (uncompensated): 3500 W
- Horizontal pitch (HP): 4
- Power loss: 2,7 W
- Colour: grey

CU-DIN R 8-CH 16A KNX

Order description	Order no.	EAN no.

- KNX DIN rail module, switch actuator, 8-way, 16-A switching capacity per channel

CU-DIN R 8-CH 16A KNX	EC10430299	4015120430299

SCALE DRAWING
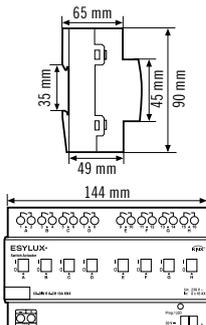
65 mm
35 mm
45 mm
90 mm
49 mm
144 mm

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Approx. power consumption: < 0.4 W
- Power consumption: 15 mA
- Standby consumption: < 150 mW
- Setting options: remotely with ETS-Software
- Permissible ambient temperature: 0 °C ...+45 °C
- Protection type: IP 20
- Protection class: II
- Installation type: DIN rail, 35 mm
- Installation dimension: Installation depth [mm] 65 mm
- Terminal: 0,2 - 6 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: RoHS, CE
- Number of switching contacts (potential-free contacts): 8
- Nominal voltage: 230 V AC/50 Hz
- Rated current: max. 16 A
- Rated current (cos phi = 0.8): max. 16 A
- Min. switching capacity: 0.1mA / 1V
- DC switching capacity (resistive load): 16A / 12V DC
- Switching capacity of light bulbs: 3500 W

- Switching capacity of motor: 3000 W
- Switching capacity of inductive transformer: 1800 W
- Switching capacity of fluorescent lamps (parallel compensated): 2000 W
- Switching capacity of fluorescent lamps (uncompensated): 3500 W
- Horizontal pitch (HP): 8
- Power loss: 5,400000 W
- Colour: grey

Order description	Order no.	EAN no.	**CU-DIN R 12-CH 16A KNX**

- KNX DIN rail module, switch actuator, 12-way, 16-A switching capacity per channel

| CU-DIN R 12-CH 16A KNX | EC10430305 | 4015120430305 | |

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Approx. power consumption: < 0.4 W
- Power consumption: 15 mA
- Standby consumption: < 150 mW
- Setting options: remotely with ETS-Software
- Permissible ambient temperature: 0 °C ...+45 °C
- Protection type: IP 20
- Protection class: II
- Installation type: DIN rail, 35 mm
- Installation dimension: Installation depth [mm] 65 mm
- Terminal: 0,2 - 6 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: RoHS, CE
- Number of switching contacts (potential-free contacts): 12
- Nominal voltage: 230 V AC/50 Hz
- Rated current: max. 16 A
- Rated current (cos phi = 0.8): max. 16 A
- Min. switching capacity: 0.1mA / 1V
- DC switching capacity (resistive load): 16A / 12V DC
- Switching capacity of light bulbs: 3500 W

- Switching capacity of motor: 3000 W
- Switching capacity of inductive transformer: 1800 W
- Switching capacity of fluorescent lamps (parallel compensated): 2000 W
- Switching capacity of fluorescent lamps (uncompensated): 3500 W
- Horizontal pitch (HP): 12
- Power loss: 8,0 W
- Colour: grey

SCALE DRAWING

65 mm
35 mm
45 mm
90 mm
49 mm
216 mm

Order description	Order no.	EAN no.	**CU-DIN DIM 4-CH 1.5A KNX**
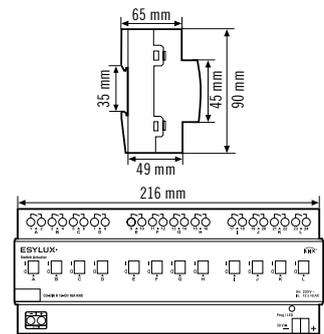
- KNX DIN rail module, dimming actuator, 4-way, 1.5-A switching capacity per channel
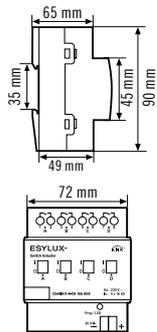
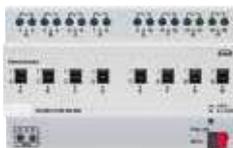| CU-DIN DIM 4-CH 1.5A KNX | EC10430312 | 4015120430312 | |

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Approx. power consumption: < 0.4 W
- Power consumption: 15 mA
- Standby consumption: < 0.4 W
- Setting options: remotely with ETS-Software
- Permissible ambient temperature: -5 °C ...+45 °C
- Protection type: IP 20
- Protection class: II
- Installation type: DIN rail, 35 mm
- Installation dimension: Installation depth 65 mm
- Terminal: 0,2 - 6 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: RoHS, CE
- Number of switching contacts (potential-free contacts): 4
- Nominal voltage: 230 V AC/50 Hz
- Rated current: 1,5 A
- Horizontal pitch (HP): 12
- Power loss: 8 W
- Colour: grey

SCALE DRAWING

65 mm
35 mm
45 mm
90 mm
49 mm
216 mm
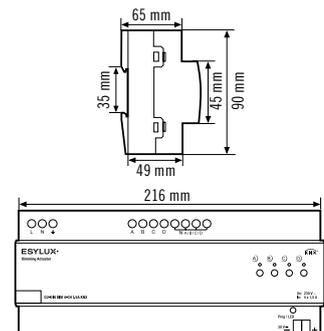
CU-DIN DIM 6-CH 0…10V KNX

Order description	Order no.	EAN no.

KNX | IP 20 | DIN-Schiene 35 mm | 230 V ~ | ETS | 1-10 V

- KNX DIN rail module, dimming actuator, 6-way, 0–10 V

	Order description	Order no.	EAN no.
4 015120 430329	CU-DIN DIM 6-CH 0…10V KNX	EC10430329	4015120430329

SCALE DRAWING
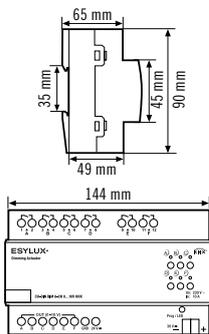
65 mm
35 mm
45 mm
90 mm
49 mm
144 mm

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Approx. power consumption: < 0.4 W
- Power consumption: 15 mA
- Standby consumption: < 0.2 W
- Setting options: remotely with ETS-Software
- Permissible ambient temperature: -5 °C …+45 °C
- Protection type: IP 20
- Protection class: II
- Installation type: DIN rail, 35 mm
- Installation dimension: Installation depth 65 mm
- Terminal: 0,2 - 6 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: RoHS, CE
- Weight: 0,49 kg
- Number of switching contacts (potential-free contacts): 6
- Number of analogue outputs: 6
- Nominal voltage: 230 V AC/50 Hz
- Rated current: max. 10 A
- Rated current (cos phi = 0.8): max. 16 A
- Min. switching capacity: 0.1mA / 1V

- DC switching capacity (resistive load): 10A / 12V DC
- Switching capacity of light bulbs: 1600 W
- Switching capacity of motor: 746 W
- Switching capacity of inductive transformer: 1000 W
- Switching capacity of fluorescent lamps (parallel compensated): 1000 W
- Switching capacity of fluorescent lamps (uncompensated): 800 W
- Rated voltage of analogue outputs: 0-10V DC, 1-10V DC
- Rated current of analogue outputs: 24 mA
- Horizontal pitch (HP): 8
- Power loss: 2 W
- Colour: grey

For operation with 1-10V a 24V auxiliary power supply is required.

CU-DIN SB 2-CH 10A KNX

Order description	Order no.	EAN no.

KNX | IP 20 | DIN-Schiene 35 mm | 230 V ~ | ETS

- KNX DIN rail module, blind actuator, 4-way with 2 channels, 10-A switching capacity

	Order description	Order no.	EAN no.
4 015120 430343	CU-DIN SB 2-CH 10A KNX	EC10430343	4015120430343

SCALE DRAWING
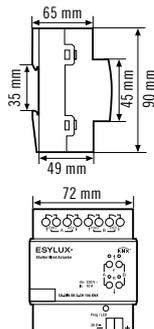
65 mm
35 mm
45 mm
90 mm
49 mm
72 mm

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Approx. power consumption: < 0.4 W
- Power consumption: 15 mA
- Standby consumption: < 150 mW
- Setting options: remotely with ETS-Software
- Permissible ambient temperature: 0 °C …+45 °C
- Protection type: IP 20
- Protection class: II
- Installation type: DIN rail, 35 mm
- Installation dimension: Installation depth [mm] 65 mm
- Terminal: 0,2 - 6 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: RoHS, CE
- Number of switching contacts (potential-free contacts): 2
- Number of inputs: 0
- Nominal voltage: 230 V AC/50 Hz
- Rated current: max. 10 A
- Rated current (cos phi = 0.8): max. 10 A
- Min. switching capacity: 0.1mA / 1V
- DC switching capacity (resistive load): 10A / 12V DC

- Switching capacity of light bulbs: 1600 W
- Switching capacity of motor: 746 W
- Switching capacity of inductive transformer: 1000 W
- Switching capacity of fluorescent lamps (parallel compensated): 1000 W
- Switching capacity of fluorescent lamps (uncompensated): 800 W
- Horizontal pitch (HP): 4
- Power loss: 2,700000 W
- Colour: grey

Order description	Order no.	EAN no.

- KNX DIN rail module, blind actuator, 8-way with 4 channels, 10-A switching capacity
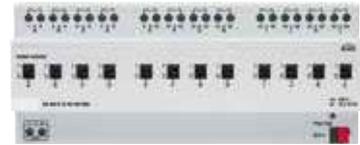
CU-DIN SB 4-CH 10A KNX	EC10430350	4015120430350

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Approx. power consumption: < 0.4 W
- Power consumption: 15 mA
- Standby consumption: < 150 mW
- Setting options: remotely with ETS-Software
- Permissible ambient temperature: 0 °C ...+45 °C
- Protection type: IP 20
- Protection class: II
- Installation type: DIN rail, 35 mm
- Installation dimension: Installation depth [mm] 65 mm
- Terminal: 0,2 - 6 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: RoHS, CE
- Number of switching contacts (potential-free contacts): 4
- Number of inputs: 0
- Nominal voltage: 230 V AC/50 Hz
- Rated current: max. 10 A
- Rated current (cos phi = 0.8): max. 10 A
- Min. switching capacity: 0.1mA / 1V
- DC switching capacity (resistive load): 10A / 12V DC

- Switching capacity of light bulbs: 1600 W
- Switching capacity of motor: 746 W
- Switching capacity of inductive transformer: 1000 W
- Switching capacity of fluorescent lamps (parallel compensated): 1000 W
- Switching capacity of fluorescent lamps (uncompensated): 800 W
- Horizontal pitch (HP): 8
- Power loss: 5,400000 W
- Colour: grey

SCALE DRAWING

Order description	Order no.	EAN no.

- KNX DIN rail module, blind actuator, 12-way with 6 channels, 10-A switching capacity

CU-DIN SB 6-CH 10A KNX	EC10430367	4015120430367

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Approx. power consumption: < 0.4 W
- Power consumption: 15 mA
- Standby consumption: < 150 mW
- Setting options: remotely with ETS-Software
- Permissible ambient temperature: 0 °C ...+45 °C
- Protection type: IP 20
- Protection class: II
- Installation type: DIN rail, 35 mm
- Installation dimension: Installation depth 65 mm
- Terminal: 0,2 - 6 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: RoHS, CE
- Number of switching contacts (potential-free contacts): 6
- Number of inputs: 0
- Nominal voltage: 230 V AC/50 Hz
- Rated current: max. 10 A
- Rated current (cos phi = 0.8): max. 10 A
- Min. switching capacity: 0.1mA / 1V
- DC switching capacity (resistive load): 10A / 12V DC

- Switching capacity of light bulbs: 1600 W
- Switching capacity of motor: 746 W
- Switching capacity of inductive transformer: 1000 W
- Switching capacity of fluorescent lamps (parallel compensated): 1000 W
- Switching capacity of fluorescent lamps (uncompensated): 800 W
- Horizontal pitch (HP): 12
- Power loss: 8 W
- Colour: grey

SCALE DRAWING

CU-DIN HVAC KNX	Order description	Order no.	EAN no.

KNX IP 20 DIN-Schiene 35 mm 230 V ~ □ ETS 1-10 V
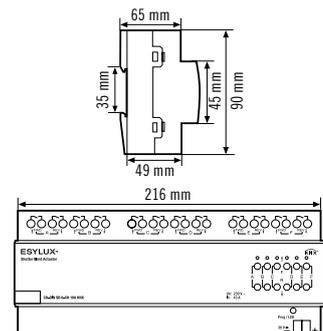
- KNX HVAC actuator, 5-channel output switching, 2-channel output, 0–10 V

	CU-DIN HVAC KNX	EC10430503	4015120430503

4 015120 430503

SCALE DRAWING
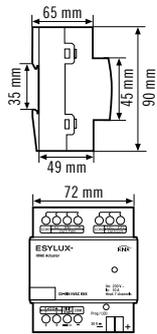
65 mm
35 mm
45 mm
90 mm
49 mm
72 mm

ESYLUX·
KNX Actuator

CU-DIN HVAC KNX

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Approx. power consumption: < 0.4 W
- Power consumption: 15 mA
- Standby consumption: < 0.1 W
- Setting options: remotely with ETS-Software
- Permissible ambient temperature: -5 °C ...+45 °C
- Protection type: IP 20
- Protection class: II
- Installation type: DIN rail, 35 mm
- Installation dimension: Installation depth 65 mm
- Terminal: 0,2 - 6 mm²
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: RoHS, CE
- Number of switching contacts (potential-free contacts): 5
- Number of analogue outputs: 2
- Nominal voltage: 230 V AC/50 Hz
- Rated current: max. 10 A
- Rated current (cos phi = 0.8): max. 10 A
- Min. switching capacity: 0.1mA / 1V
- DC switching capacity (resistive load): 10A / 12V DC

- Switching capacity of light bulbs: 1600 W
- Switching capacity of motor: 746 W
- Switching capacity of inductive transformer: 1000 W
- Switching capacity of fluorescent lamps (parallel compensated): 1000 W
- Switching capacity of fluorescent lamps (uncompensated): 800 W
- Rated voltage of analogue outputs: 0 - 10 V DC
- Rated current of analogue outputs: 10 mA
- Horizontal pitch (HP): 4
- Power loss: 2 W
- Colour: grey

Accessories (detailed on page 310 - 323)

• CA-DIN TP for HVAC 2.5m	EC10430510		4015120430510

INTERFACES
AND GATEWAYS

BUS COMPONENTS

The greater the variety in terms of bus participants and the larger the area covered by the building complex, the more need there is for the correct interfaces. As communicative bridges within the world of devices, interfaces act as interpreters between the different digital languages. The ESYLUX range therefore features a corresponding selection of handy modules in order to guarantee easy configuration of parameters, flexible control and the ability to transmit information between systems. By ensuring reliable data transmission, they transform the interactions between different types of devices and standards into a uniform building automation system.

CONTENTS

KNX GATEWAY ZU DALI

Order description	Order no.	EAN no.

KNX | DALI | IP 20

- KNX DIN rail module, gateway from KNX to DALI, control of up to 64 DALI devices including detection and transmission of DALI status and error messages via KNX.
- DALI actuators can be switched or dimmed individually or in groups.

	CU-DIN GW DALI KNX	EC10430336	4015120430336
4 015120 430336			

SCALE DRAWING

58 mm
35 mm
46 mm
86 mm
31 mm
70 mm
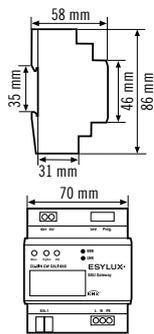
TECHNICAL DATA

- Mains voltage: 110 - 240 V / 50 - 60 Hz
- Permissible ambient temperature: -5 °C ...+45 °C
- Protection type: IP 20
- Protection class: I
- Installation type: DIN rail, 35 mm
- Approx. dimensions: Height 86 mm x Width 70 mm x Lenght 58 mm
- Installation dimension: Installation depth 70 mm
- Conformity: RoHS, CE
- Colour: grey

KNX NET/IP ROUTER

Order description	Order no.	EAN no.

KNX | DIN-Schiene 35 mm | LAN | IP 20 | ▣ | ETS

- KNX net/IP router for connecting the KNX devices to a higher-level building management system based on KNX net/IP

	CU-DIN IPRT KNX	EC10430527	4015120430527
4 015120 430527			

SCALE DRAWING

71 mm
50,9 mm
36 mm
44,9 mm
90 mm
37,6 mm
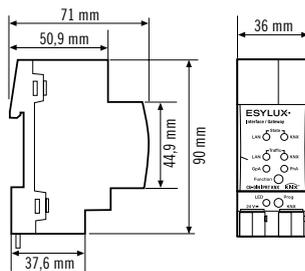
TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V, 12 - 24 V UC (~/=)
- Approx. power consumption: 0.5 W
- Power consumption: 190 mA
- Permissible ambient temperature: -5 °C ...+45 °C
- Protection type: IP 20
- Installation type: DIN rail, 35 mm
- Housing material: Polyamide (PA)
- Installation dimension: Installation depth 64 mm
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: RoHS, CE
- Horizontal pitch (HP): 2
- Colour: grey

24V auxiliary power supply required.

Order description		Order no.		EAN no.		**KNX LINE COUPLER**

- ine coupler for the KNX bus system for connecting two KNX bus lines

	CU-DIN LC KNX		EC10430534		4015120430534

4 015120 430534

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Approx. power consumption: 0.7 W
- Power consumption: 30 mA
- Permissible ambient temperature: 0 °C ...+45 °C
- Protection type: IP 20
- Installation type: DIN rail, 35 mm
- Housing material: Polyamide (PA)
- Installation dimension: Installation depth [mm] 64 mm
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: RoHS, CE
- Horizontal pitch (HP): 2
- Colour: grey

SCALE DRAWING

71 mm
50,9 mm
44,9 mm
90 mm
37,6 mm
36 mm

Order description		Order no.		EAN no.		**KNX-USB INTERFACE**
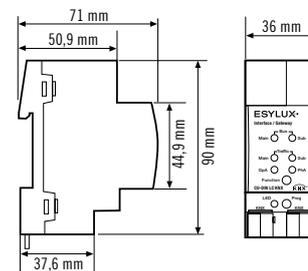
- KNX-USB interface for connecting a PC/laptop for setting KNX parameters via ETX

CU-DIN USB KNX		EC10430541		4015120430541	

4 015120 430541

TECHNICAL DATA

- Mains voltage: from KNX bus 29 - 31 V
- Approx. power consumption: < 0.25 W
- Power consumption: 10 mA
- Permissible ambient temperature: 0 °C ...+45 °C
- Protection type: IP 20
- Installation type: DIN rail, 35 mm
- Housing material: Polyamide (PA)
- Installation dimension: Installation depth [mm] 64 mm
- Relative humidity: 5 - 93 %, non-condensing
- Conformity: RoHS, CE
- Horizontal pitch (HP): 2
- Colour: grey

SCALE DRAWING

70,8 mm
50,8 mm
44,9 mm
89,7 mm
30,6 mm
36 mm
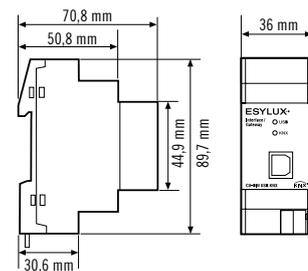
POWER SUPPLY

BUS COMPONENTS

An appropriately dimensioned and stable power supply provides a firm foundation for building automation in the 230-V range, and digital communications within bus systems would be impossible without the application of electrical potential. The ESYLUX range therefore features a variety of alternative KNX and DALI solutions which guarantee that the connected devices will operate reliably. Simple assembly and wiring ensure that installation—whether on a top-hat rail or flush-mounted—is always a straightforward procedure.

CONTENTS

CU PS DALI	Order description	Order no.	EAN no.

IP 20 | **230 V ~** | **9,5 - 22,5 V ⎓** | **DALI BUS**
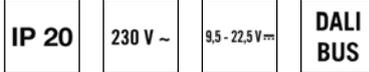
- Power pack for supplying power to DALI operating units or DALI control modules that do not have their own power supply

	CU PS DALI	EC10430008	4015120430008

4 015120 430008

SCALE DRAWING
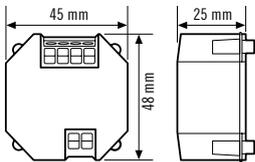
45 mm · 25 mm · 48 mm

TECHNICAL DATA

- Mains voltage: 230 V AC/50 Hz
- Permissible ambient temperature: 0 °C ...+50 °C
- Protection type: IP 20
- Protection class: II
- Installation type: Recessed mounting
- Installation dimension: Installation depth [mm] 25 mm, Installation hole size Ø 60 mm
- Terminal: 1.5 mm²
- Included in delivery: Mains adapter
- Weight: 0,036 kg
- Output voltage: 16 V
- Output current: 200 mA
- Short-circuit-proof: false
- Colour: white

KNX POWER SUPPLY, 640 MA	Bestellbezeichnung	Bestell-Nr.	EAN-Nr.

KNX | **IP 20** | **DIN-Schiene 35 mm** | **230 V ~** | **▢**
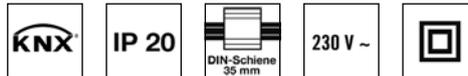
- Output voltage: KNX and 28 V DC
- Display: Normal mode, overload, reset
- Operating elements: Bus reset button
- IP20 protection class
- Passive cooling
- Overload, overvoltage protection, short-circuit-proof

	CU-DIN PS 640 KNX	EC10430565	4015120430565

4 015120 430565

SCALE DRAWING

58,5 mm · 35 mm · 45,2 mm · 90 mm · 52,5 mm
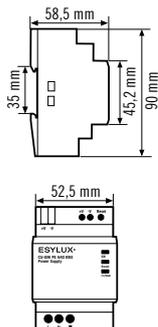
TECHNICAL DATA

- Protection type: IP 20
- Approx. dimensions: Height 90 mm x Width 52,5 mm x Lenght 58,5 mm
- Installation dimension: Installation depth 52,5 mm
- Overload protection: electronic
- Output voltage: 30 V
- Output current: 640 A
- Short circuit proof: yes

- KNX bus voltage supply, 960 mA

| CU-DIN PS 960 | EC10430374 | 4015120430374 | |

TECHNICAL DATA

- Overload protection: electronic
- Horizontal pitch (HP): 8
- Output voltage: 30 V
- Output current: 960 mA
- Short-circuit-proof: true
- Power loss: 8,0 W

SCALE DRAWING
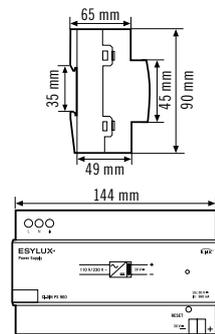
ACCESSORIES

BUS COMPONENTS

- – CONTROLS
- – INPUTS AND OUTPUTS
- - ACTUATORS
- - INTERFACES AND GATEWAYS
- - POWER SUPPLY

IR REMOTE CONTROL FOR PD 360/8 BASIC LIN

Order description	Order no.	EAN no.

- Remote control for the KNX multi-controller WAGO. For control of: - Lighting - Temperature - Blind

	CA-C Mobil-CU-C	EC10430039	4015120430039

4 015120 430039

SCALE DRAWING
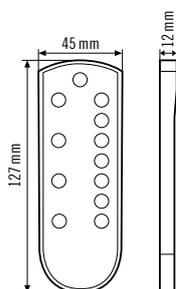
TECHNICAL DATA

- Battery operation: Lithium CR 2032 - 3V (included)
- Conformity: CE, RoHS
- Weight: 37
- Colour: silver/white

45 mm

12 mm

127 mm

WALL MOUNTING FOR CA-C MOBIL-CU-C

Order description	Order no.	EAN no.

- Wall mounting for Mobil-CU-C remote control

	CA-C WMB for Mobil-CU-C	EC10430046	4015120430046

4 015120 430046

Order description	Order no.	EAN no.	RJ45 COUPLER 1:1

- 1:1 RJ45 coupler for the KNX multi-controller

| CA-C Coupler RJ45 1:1 | EC10430169 | 4015120430169 | |

TECHNICAL DATA

- Weight: 0,008 kg
- Colour: white

Order description	Order no.	EAN no.	RJ45 Y COUPLER 1:2

- 1:2 RJ45 Y coupler for the KNX multi-controller

| CA-C Y coupler RJ45 1:2 | EC10430176 | 4015120430176 | |

TECHNICAL DATA

- Weight: 0,01 kg
- Colour: white

RJ45 P COUPLER 1:1	Order description	Order no.	EAN no.

- 1:1 RJ45 P coupler for the KNX multi-controller

	CA-C P coupler RJ45 1:1	EC10430183	4015120430183

4 015120 430183

TECHNICAL DATA
- Colour: black/silver

RJ45 SPLITTER 1:2	Order description	Order no.	EAN no.

- 1:2 RJ45 splitter for the KNX multi-controller

	CA-C Splitter RJ45 1:2	EC10430190	4015120430190

4 015120 430190

TECHNICAL DATA
- Approx. dimensions: 25mmx28mmx21mm
- Colour: white

Order description	Order no.	EAN no.	RJ45 BINARY INPUT RJ45

- 2-pin binary input

Order description	Order no.	EAN no.	
CA-C Binary Input RJ45 1-CH	EC10430206	4015120430206	

TECHNICAL DATA

- Number of inputs: 2
- Colour: blue

Order description	Order no.	EAN no.	CONNECTION CABLE RJ45, 1 M

- Connection cable RJ45 for the KNX multi-controller

Order description	Order no.	EAN no.	
CA-C Patch Cable RJ45 0.1m	EC10430213	4015120430213	
CA-C Patch Cable RJ45 1.0m	EC10430220	4015120430220	
CA-C Patch Cable RJ45 3.0m	EC10430237	4015120430237	
CA-C Patch Cable RJ45 5.0m	EC10430244	4015120430244	

TECHNICAL DATA

- Approx. dimensions: 10-500mm x 12mm x 15mm
- Colour: blue

MAINS CONNECTION CABLE 230 V WAGO 1 M

Order description	Order no.	EAN no.
- Supply cable for KNX multi-controller, 230 V		
CA-C Cable 230V WAGO 1m	EC10430251	4015120430251

4 015120 430251

TECHNICAL DATA
- Weight: 0,192 kg
- Colour: black

PLUG SET WAGO

Order description	Order no.	EAN no.
- Plug set for the KNX multi-controller WAGO. Five plugs for connection of: - KNX - DALI - relay- relay 2 - voltage supply		
CA-C plug set WAGO	EC10430268	4015120430268

4 015120 430268

TECHNICAL DATA
- Special product features: 7-piece plug set for KNX multi-controller DALI
- Colour: multicoloured

Order description	Order no.	EAN no.	

- 3-pin connector plug for TEVD 230 V

CA-C PLUG TEVD WAGO	EC10430275	4015120430275	

TECHNICAL DATA

- Weight: 0,02 kg
- Colour: black

Order description	Order no.	EAN no.	

- WAGO plug module with in-built analogue input/output, 0–10 V interface. External voltage supply required

EA-C I/O analogue LIN	EC10430152	4015120430152	

TECHNICAL DATA

- Mains voltage: SELV 20 - 30 V= / 24 V DC +- 10 %
- Permissible ambient temperature: 15 °C ...+35 °C
- Protection type: IP 20
- Protection class: III
- Terminal: RJ45
- Weight: 0,032 kg
- Number of inputs: 1
- Number of analogue outputs: 1
- Rated voltage of analogue outputs: 0 - 10 V DC
- Colour: multicoloured

Order description	Order no.	EAN no.

- Temperature sensor with 2.5-m cable for the KNX 4-channel DRY contact sensor

	Order description	Order no.	EAN no.
4 015120 430398	CA-DIN TP for DRY 2.5m	EC10430398	4015120430398

Order description	Order no.	EAN no.

- Connection cable AA-C for TEVD (thermoelectric valve drive), 230 V

	Order description	Order no.	EAN no.
4 015120 430077	AA-C TEVD Cable 1m	EC10430077	4015120430077
4 015120 430084	AA-C TEVD Cable 5m	EC10430084	4015120430084

TECHNICAL DATA
- Protection type: IP 20
- Colour: light grey

Order description	Order no.	EAN no.	TEVD ADAPTOR VA80

- Adapter AA-C for the TEVD (thermoelectric valve drive) 230 V; thread: M30 x 1.5

AA-C TEVD adaptor VA80	EC10430091	4015120430091	

TECHNICAL DATA

- Weight: 0,008 kg
- Colour: light grey

Order description	Order no.	EAN no.	TEVD ADAPTOR VA78

- Adapter AA-C for the TEVD (thermoelectric valve drive) 230 V; thread: M30 x 1.5

AA-C TEVD Adaptor VA78	EC10430107	4015120430107	

TECHNICAL DATA

- Weight: 0,019 kg
- Colour: white, similar to RAL 9010

TEVD ADAPTOR VA55H	Order description	Order no.	EAN no.

- Adapter AA-C for the TEVD (thermoelectric valve drive), 230 V

	AA-C TEVD Adaptor VA55H	EC10430114	4015120430114

TECHNICAL DATA
- Weight: 0,016 kg
- Colour: grey

TEVD ADAPTOR VA02	Order description	Order no.	EAN no.

- Adapter AA-C for the TEVD (thermoelectric valve drive) 230 V. Colour: Grey

	AA-C TEVD Adaptor VA02	EC10430121	4015120430121

TECHNICAL DATA
- Weight: 0,018 kg
- Colour: grey

Order description	Order no.	EAN no.	**TEVD ADAPTOR VA50**

- Adapter AA-C for the TEVD (thermoelectric valve drive) 230 V; thread: M30 x1.5

AA-C TEVD Adaptor VA50	EC10430138	4015120430138	

TECHNICAL DATA
- Weight: 0,08 kg
- Colour: dark grey, similar to NCS S-6500-N

Order description	Order no.	EAN no.	**TEVD ADAPTOR VA10**

- Adapter AA-C for the TEVD (thermoelectric valve drive) 230 V; thread: M30 x 1.5

AA-C TEVD Adaptor VA10	EC10430145	4015120430145	

TECHNICAL DATA
- Weight: 0,08 kg
- Colour: light grey

- Temperature sensor CU-DIN TP 2.5m for the HVAC KNX actuator

	Order description	Order no.	EAN no.
4 015120 430510	CA-DIN TP for HVAC 2.5m	EC10430510	4015120430510

INFORMATION

CONTENTS

230-V ROOM SOLUTION:
THE DUODIMPLUS PRESENCE DETECTORS

PLUS X AWARD®	PLUS X AWARD®	PLUS X AWARD®	PLUS X AWARD®	PLUS X AWARD®
achieved for: **Ease of Use**	achieved for: **Functionality**	achieved for: **Innovation**	achieved for: **Ecology**	achieved for: **High Quality**

The DuoDIMplus presence detectors from the Compact series can be used to implement a complete room solution for demand-driven automation in the 230-V range. They measure light to ensure that continuous lighting is provided by two individually controlled rows of lights only when a room is occupied and when required by the level of daylight, meaning that energy use is limited to times when and locations where it is really needed. The "plus" in their name indicates that this is not all they can do; they also feature a third output which can be used to switch other consumers (such as panel lighting, ventilation or projectors) on and off on a presence-dependent basis.
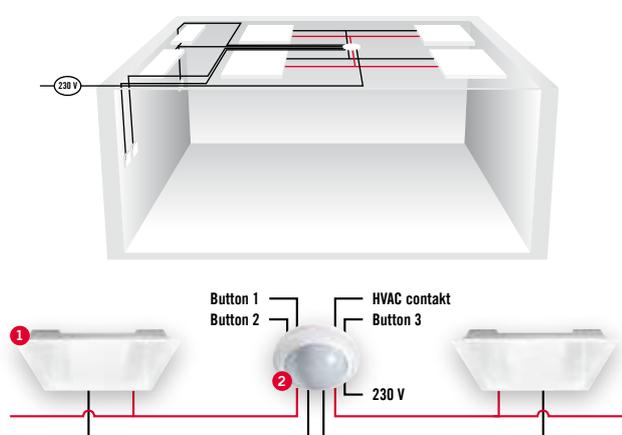
APPLICATION EXAMPLE PD-C360i/24 DUODIMplus WITH LIGHTING SERIES ALICE/CLARA

The presence detector only activates the two rows of lights when a room is occupied, and controls the rows individually based on the incident daylight. An additional output is available for the semi-automatic or fully automatic switching of additional devices.

——— 230 V   ——— 1-10 V

PRODUCT RECOMMENDATIONS:

No.	Product designation	Item no.	Page
1	NOVA series	-	*
2	PD-C360i/24 DUODIMplus FM	EP10426742	98

*Find out more online at:
nova.lighting

DIGITAL ROOM SOLUTION WITH DALI:
DUODALI PRESENCE DETECTORS + DALI SWITCH

Combining the DuoDALI presence detectors with the DALI switch is an ideal way to venture into the world of digital room automation. Thanks to the daylight-dependent continuous lighting control of two rows of lights, the devices automatically deliver the perfect lighting conditions with an excellent level of energy efficiency. They can also be manually adjusted using buttons to accommodate individual needs at all times. The DALI switch's additional switch-ing channel allows conventional consumers such as ventilation, multimedia devices or air conditioning units to be integrated and controlled, making it possible to automate all the technology in the room with even lower power consumption. Another advantage of the DALI bus is the simple cabling and wiring — and broadcast operation dispenses with complicated software configuration.
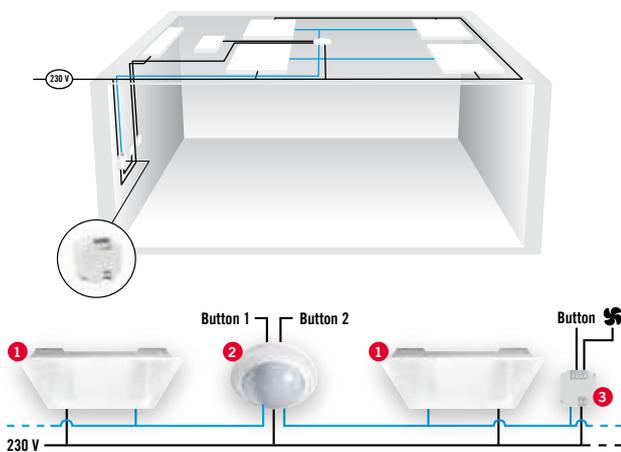
APPLICATION EXAMPLE FOR DUODALI PRESENCE DETECTORS + DALI SWITCH

The presence detectors individually regulate two rows of lights via the DALI interface on the basis of incident daylight and limit the lights' activity to times when the room is occupied. The DALI switch can also be used to integrate conventional end devices and switch these devices on a presence-dependent basis.

——— 230 V   ——— DALI

PRODUCT RECOMMENDATIONS:

No.	Product designation	Item no.	Page
1	NOVA series	-	*
2	PD-C360i/24 DUO DALI	EP10427459	172
3	SW DALI Full Automation	EP10427473	292

*Find out more online at:
nova.lighting

DECENTRALISED ROOM SOLUTION WITH KNX:
THE ROOM CONTROLLER BOX

Our room controller box is a room automation solution featuring particularly comprehensive functions for intelligent modernisation of non-residential buildings. Although its appearance resembles that of a compact switch cabinet, in combination with the relevant multi-sensor technology it can achieve finely-tuned and KNX-based automation of all the technology in a room.* In order to do so, its features include binary inputs, a KNX-to-DALI gateway for lighting and several special outputs for the demand-driven control of heating, ventilation and air conditioning units. Positioning the box directly in the room reduces cable runs to a minimum, and all other devices are connected using a simple plug-and-play principle.

*We can preconfigure the box for you and your building if necessary. Please call our hotline for individual advice. You can find the number on the back of this brochure.
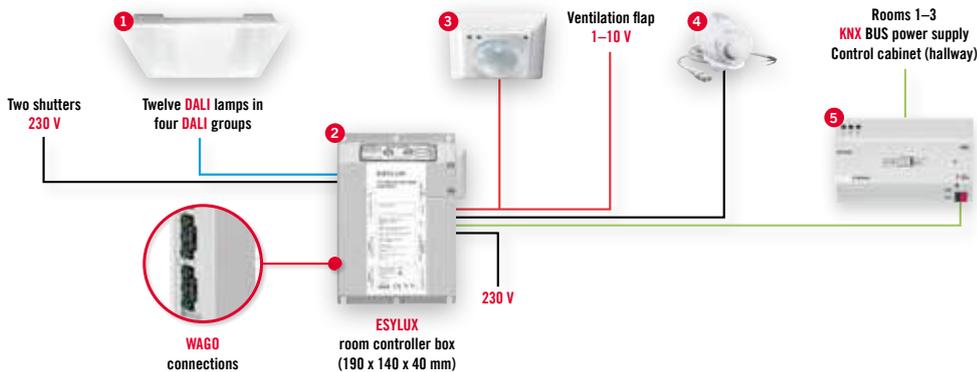
APPLICATION EXAMPLE FOR THE ROOM CONTROLLER BOX

The room controller box and multi-sensors work together to control all the technology in the room automatically and on a demand-driven basis. Decentralised positioning directly in the room and simple plug-in connections ensure that the installation process is straightforward.

—— 230 V	—— DALI	—— KNX	—— 1 - 10 V

PRODUCT RECOMMENDATIONS:

No.	Product designation	Item no.	Page
1	NOVA series	-	*
2	CU-C RCB KNX DALI WAGO	EC10430015	282
3	PD 360i/8 LIN	EB10430619	283
4	EA-C TEVD 230V	EC10430053	290
5	CU-DIN PS 960	EC10430374	309

*Find out more online at:
nova.lighting

SCALABLE MODULARITY FOR THE KNX BUILDING: THE ROOM AUTOMATION SYSTEM

A building which is fully equipped for KNX needs equipment which is as comprehensive as it is flexible, both for individual rooms and for the purpose of building-wide automation. The ESYLUX room automation system meets this challenge. The extensive range of top-hat rail modules offers the correct combination for almost any application, with switching and dimming actuators and modules which

guarantee convenient interface communications or a reliable power supply. By using these components together with our KNX sensors, users can assemble complete and tailor-made solutions for virtually every situation.

① KNX button Room 1   **① KNX** button Room 2   **① KNX** button Room 3

Twelve **DALI** lamps in three groups   Six shutters/blinds **230 V**   Three ceiling fans **230 V**   Room 1 heating, cooling, **1–10 V**   Room 2 heating, cooling, **1–10 V**   Room 3 heating, cooling, **1–10 V**

230 V
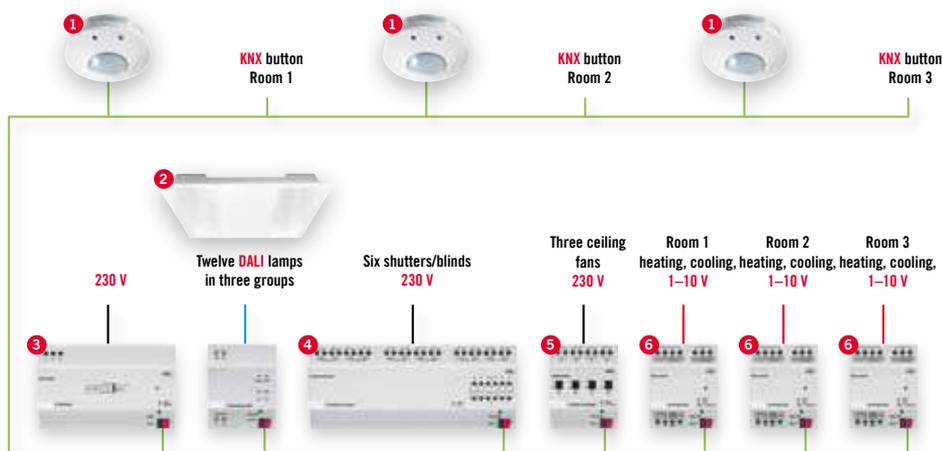
APPLICATION EXAMPLE FOR ROOM AUTOMATION SYSTEM

Complete and personalised solutions can be compiled by using our KNX sensors together with the room automation system modules. The traditional switch cabinet functions as a central interface, and—as is invariably the case for KNX—the options for configuring parameters are extremely varied in order to meet every user's needs.

─── 230 V   ─── DALI   ─── KNX   ─── 1 -10 V

PRODUCT RECOMMENDATIONS:

No.	Product designation	Item no.	Page
❶	PD-ATMO 360i/8 O KNX	EP10427220	213
❷	NOVA series	–	*
❸	CU-DIN PS 960	EC10430374	309
❹	CU-DIN SB 6-CH 10A KNX	EC10430367	299
❺	CU-DIN DIM 4-CH 1.5A KNX	EC10430312	297
❻	CU-DIN HVAC KNX	EC10430503	300

***Find out more online at:**
nova.lighting

PLUG-AND-PLAY FOR AN INTELLIGENT LIGHTING SYSTEM: THE NOVA QUADRO SETS

Bluetooth **KNX** **DALI** **SYMBI LOGIC**

The Quadro sets form the basis for a comprehensive and extendible system solution which can be used to control not just lighting, but also other devices in a room on an energy-efficient basis. Automatic presence-dependent and daylight-dependent continuous light control is achieved by the various combinations of master and slave lights thanks to the use of integrated sensors, and the highest configuration level even features biologically effective lighting. For installations on a larger scale, the sets can be extended by up to 100 lights using the four DALI interfaces in the master lights; alternatively, several sets can be combined with each other. Another practical option involves integrating DALI switch so that conventional end devices are incorporated and can be switched on a presence-dependent basis.
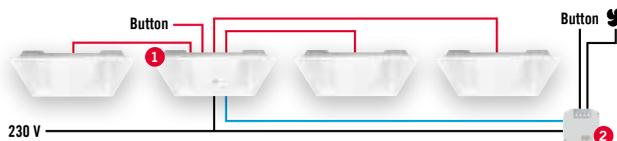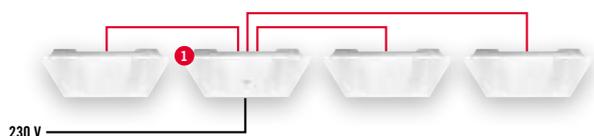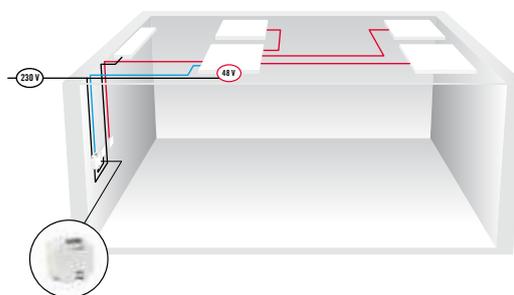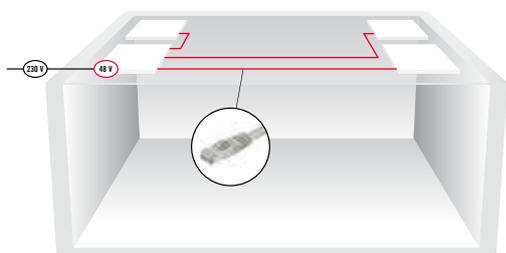
APPLICATION EXAMPLE OF ALICE QUADRO SET 3K / 4K IN A SINGLE ROOM.

The master lights guarantee presence-dependent and daylight-dependent continuous lighting control of the entire lighting system. All of the lights in the set can optionally be fitted with their own light sensor for demand-driven lighting in every area.

APPLICATION EXAMPLE OF ALICE QUADRO SET WITH HVAC CONTROLS.

In addition to lighting control, use of the DALI switch once again means that conventional end devices can be integrated and switched on a presence-dependent basis, either on a fully automatic basis or by using a button.

———— 230 V   ———— 48 V   ———— DALI-BUS

SYMBI LOGIC

The highest configuration level of this system solution is equipped with our SymbiLogic technology. This generates biologically effective light which changes in brightness and colour temperature over the course of the day, boosting the mood, concentration and health of a building's users. SymbiLogic uses the PIR and light sensors integrated into the lights for this purpose, automatically providing energy efficiency.

PRODUCT RECOMMENDATIONS:

No.	Product designation	Item no.	Page
1	NOVA Quadro Set	-	*
2	SW DALI Full Automation	EP10427473	292

*Find out more online at:
nova.lighting

HIGH-QUALITY LIGHT FOR THE MOST DEMANDING OF VISUAL TASKS: RECESSED CEILING LIGHTS NOVA & CLARA STANDARD DESIGNS

1–10 V   DALI

The lights in the CLARA series and the standard designs in the ALICE series represent optimum solutions for grid layouts in suspended ceilings. Both are genuine visual alternatives which form an energy-efficient and durable complete system and are available with different high-quality diffusor variants. The best news: they are compatible with all common operating technologies. This means that they can be combined with all our automation solutions as required, from simple switching operations or 1–10 V dimming to digital DALI networking. Optional Linect plug-in connectors ensure that installation is always a straightforward procedure.
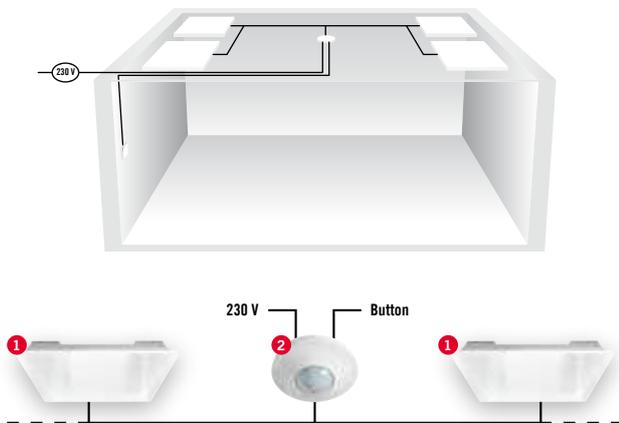
APPLICATION EXAMPLE ON/OFF.

The perfect entry-level solution for energy-efficient lighting control: a 230-V presence detector automatically switches the light on and off, and a button input allows manual intervention as and when necessary.
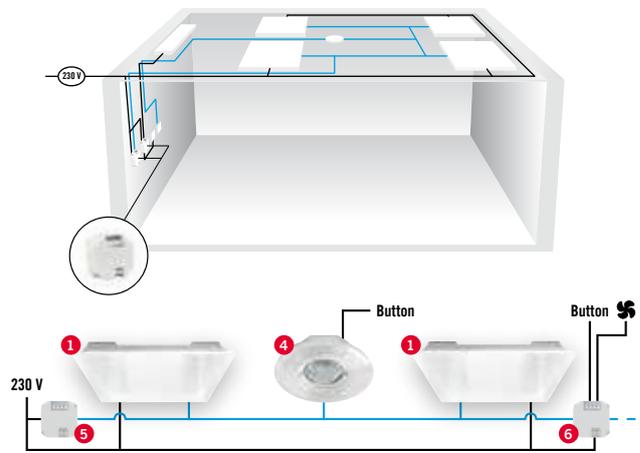
APPLICATION EXAMPLE FOR A DALI INSTALLATION

A separate 1–10-V control cable allows the illumination level in the 230-V range to be adjusted precisely to a user's needs, on the basis of either automatic continuous light control or manual dimming.

	230 V		1-10 V		DALI-BUS
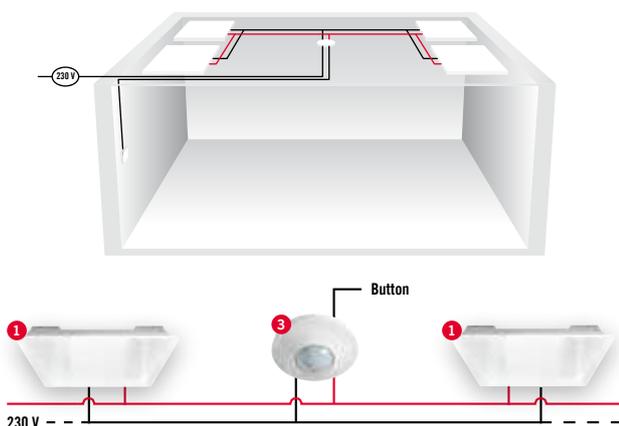
APPLICATION EXAMPLE FOR 1–10-V DIMMING

The DALI presence detector provides digitally regulated continuous light control, and the DALI switch means that conventional end devices can be switched automatically on a presence-dependent basis.

PRODUCT RECOMMENDATIONS:

No.	Product designation	Item no.	Page
1	NOVA series	-	*
2	PD-C360i/8plus	EP10425042	84
3	PD-C360i/8 DIMplus	EP10425332	93
4	PD-FLAT 360i/8 GRW DALI	EP10427565	177
5	CU PS DALI	EC10430008	309
6	SW DALI Full Automation	EP10427473	292

*Find out more online at:
nova.lighting

NETWORKED LIGHT MANAGEMENT IN OUTDOOR SPACES: THE ALVA SERIES
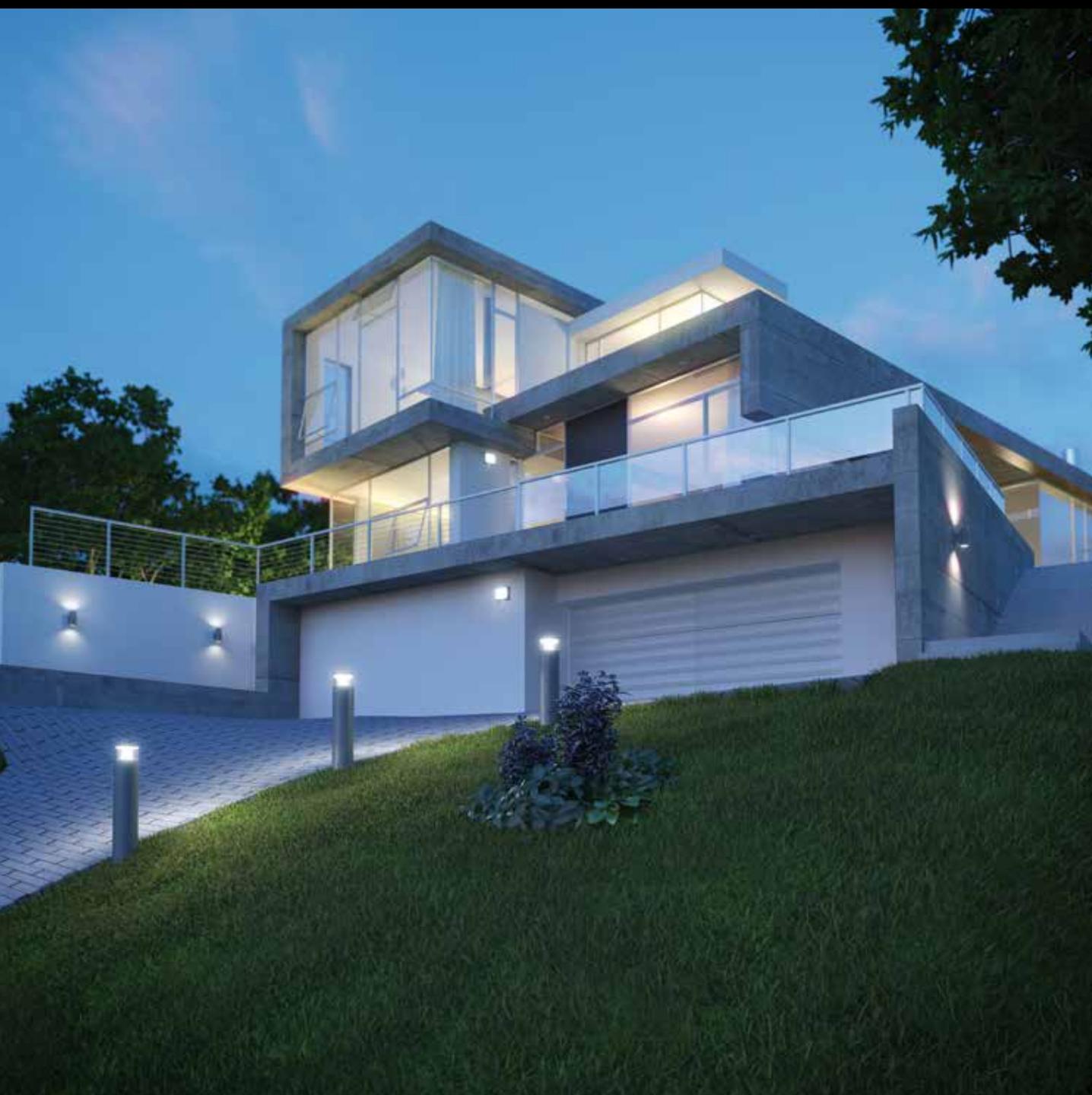
The ALVA series is about more than just robust and attractive lighting for outdoor spaces. The wall or house number lights and bollard lights in the series can optionally also be fitted with high-quality motion detectors, thereby giving the lighting system the little bit of intelligence it needs. The bollard lights are also available with an integrated DALI electronic ballast so that they can easily be integrated into a light management system and used to design personalised light concepts. If the lights in the series are equipped with integrated motion detectors, they can even control entire groups of lights, ensuring presence-dependent communal switching, pleasant orientation lighting or the automatic activation of artificial light when darkness falls, for example.
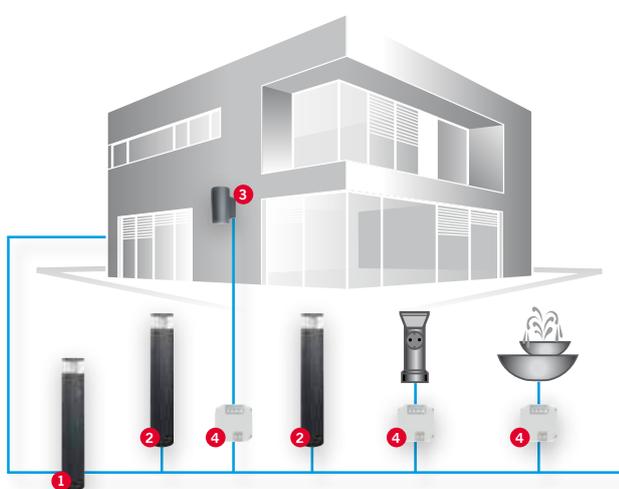
APPLICATION EXAMPLE FOR ALVA DALI AUTOMATION.

The networking of DALI-enabled lights makes it possible to design intelligent scenes for gardens, car parks and pathways. The additional integration of motion detectors means that the entire system can be automatically controlled, on a presence-dependent or twilight-dependent basis or for pleasant orientation lighting. The DALI switch can again be used for the integration and presence-dependent switching of conventional end devices.

—— DALI-BUS

PRODUCT RECOMMENDATIONS:

No.	Product designation	Item no.	Page
1	BL-ALV 20 018 830 ANT A DALI	EL10820403	*
2	BL-ALV 20 018 830 ANT DALI	EL10820205	*
3	UDL-ALV 012 830 AN	EL10830006	*
4	SW DALI Full Automation	EP10427473	292

*Find out more online at:
alva.lighting

INDIVIDUAL OFFICE

(usage type 1 in accordance with ENEV 2014)

DEFINITION OF TASK

In an office, lighting should be automatically controlled according to requirements, i.e. activated by natural light and by the presence of people. It should also be possible to switch the lighting manually at the touch of a button.

RECOMMENDED SOLUTION

Through the use of the selected presence detector, the lighting switches on when the brightness level falls below the light intensity value and if movement is detected. The lighting can also be manually switched on or off at the touch of a button.

PRODUCT RECOMMENDATION

PD-C360i/8 - master (p. 83)   **1 x**
• Recessed mounting IP 20
• Surface mounting IP 20/IP 54 with accessories
• Recessed ceiling mounting IP 20 with accessories

or

PD-C360i/8 mini - master (p. 127)   **1 x**
For individual settings, use the remote control Mobil-PDi/MDi.
• Recessed ceiling mounting IP 55

PLANNING EXAMPLE

Square room, area approx. 20 m²,
ceiling height of 3 m.

4,5 m

4,5 m
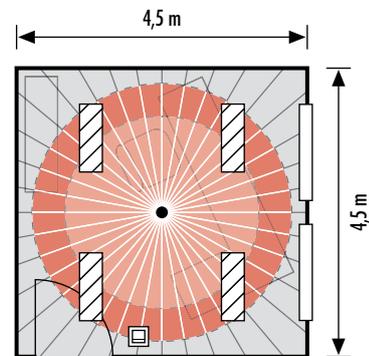
■ Workspace PD-C360i/8
■ Workspace PD-C360i/8 mini
■ Passage area

ACCESSORIES

Mobil-PDi/MDi (service remote control, p. 265)   **optional**
The detectors can be set in just 15 seconds according to customer requirements (no need for a ladder). There is also the option of switching the lighting on or off at any time without leaving the desk.

Mobil-RCi-M (end-user remote control, p. 264)   **optional**
Only PD-C360i/8 mini - Master; there is also the option of switching the lighting on or off at any time without leaving the desk.

SETTINGS

Immediate operability due to default settings

Working area
light value
(approx. 400 lux)

Switch-off delay time
5 minutes

Fully automatic

Individual settings by remote control Mobil-PDi/MDi

🔓 Enter
programming mode

👁 Store current light value
as switch-on value
or
🔆 Select from specified
preset light values

🕐 Adjust switch-off delay time
for light channel to 10 min.

🔒 Exit
programming mode

GROUP OFFICE

(2–6 workstations, usage type 2 in accordance with ENEV2014)

DEFINITION OF TASK

In an open-plan office, lighting should be automatically adjusted according to requirements, i.e. activated by natural light and by the presence of people. Lighting in each work area should be switched on/off individually. Walkways should be regarded as separate from working areas. Each work area is equipped with continuous lighting control and the passage area is equipped with orientation lighting as basic lighting (10%).

RECOMMENDED SOLUTION

Each work area is equipped with the selected presence detector which automatically controls the lighting depending on natural light. In addition, the light values can be adjusted at any time by means of a button. The walkway is switched on automatically by means of a master/slave combination. The orientation lighting guarantees basic lighting of 10%. To prevent the hallway lighting from switching on when it is not required, the field of detection can be limited using the supplied covering clips/lens masks. The maximum in-rush current must be taken into account for channel 2 and an ESYLUX relay or current-limiting module used.

RECOMMENDED PRODUCTS

PD-C360i/8 DIM plus (p. 93)	**7 x**
PD-C360/8 slave (p. 100)	**1 x**

- Recessed mounting IP 20
- Surface mounting IP 20/IP 54 with accessories
- Recessed ceiling mounting IP 20 with accessories

or

PD-C360i/8 mini DIM (p. 130)	**7 x**

For individual settings, use the remote control Mobil-PDi/plus.

PD-C360/8 mini slave (p. 132)	**1 x**

- Recessed ceiling mounting IP 55

ACCESSORIES

Mobil-PDi/plus (service remote control, p. 267) **optional**
The detectors can be set in just 15 seconds according to customer requirements (no need for a ladder). There is also the option of switching the lighting on or off at any time without leaving the desk.

Mobil-PDi/User (end-user remote control, p. 268) **optional**
There is the option of switching the lighting on or off at any time without leaving the desk.

Mobil-RCi-M (end-user remote control, p. 264) **optional**
Only PD-C360i/8 mini - Master; there is also the option of switching the lighting on or off at any time without leaving the desk.

PLANNING EXAMPLE

Large rectangular office, 6 workspaces, separated by one corridor, area approximately 500 m², ceiling height of 3 m.
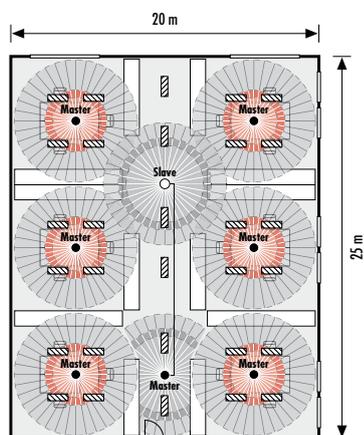
- ▦ Workspace PD-C360i/8 DIMplus
- ▦ Workspace PD-C360i/8 mini DIM
- ▦ Head-on to detector PD-C360i/8 DIMplus
- ▦ Head-on to detector PD-C360i/8 mini DIM
- ▦ Passage area

SETTINGS

Immediate operability due to default settings

Working area
light value
(approx. 400 lux)

Switch-off delay time
5 minutes

Fully automatic

Individual configuration using remote control Mobil-PDi/plus

- 🔓 Enter programming mode
- 👁 Store current light value as switch-on value
- or
- 500 lux Select from specified preset light values
- Adjust switch-off delay time for light channel to 10 min.
- 10% ON Activate orientation lighting
- 10% 10min Adjust switch-off delay time for orientation lighting to 10 min.
- 🔒 Exit programming mode

CONFERENCE ROOMS

(conferences, meetings, seminars, usage type 4 in accordance with ENEV 2014)

DEFINITION OF TASK

In a conference room, lighting should be automatically controlled according to requirements, i.e. activated by daylight and by the presence of people. For specific presentations, the lighting should be set to saved light "scenes". The air conditioning should be automatically switched on if persons are detected.

RECOMMENDED SOLUTION

Through the use of the selected presence detector, the lighting switches on when the brightness level falls below the light intensity value and if movement is detected. Individual light "scenes" can be stored with a remote control and called up at the touch of a button. Through the presence channel, if persons are detected, the air conditioning is immediately switched on and time-controlled by the separately adjustable time setting. The maximum in-rush current must be taken into account for channel 2 and an ESYLUX relay or current-limiting module used.

PRODUCT RECOMMENDATION

PD-C360i/24 DIMplus (p. 95/96)   1 x
- Recessed mounting IP 20
- Surface mounting IP 20/IP 54 with accessories
- Recessed ceiling mounting IP 20 with accessories

PLANNING EXAMPLE

Roughly rectangular conference room, area approx. 110 m², ceiling height of 3 m.

- 10 m
- 11 m

■ Work area
□ Passage area

ACCESSORIES

Mobil-PDi/plus (service remote control, p. 267)   optional
The detector can be set in just 15 seconds according to customer requirements (no need for a ladder). There is also the option of dimming or controlling the lighting at any time without leaving the desk.

Mobil-PDi/User (end-user remote control, p. 268)   optional
There is also the option of dimming or controlling the lighting at any time without leaving the desk. Individual light "scenes" can be called up.

SETTINGS

Immediate operability due to default settings

Working area
light value
(approx. 400 lux)

Switch-off delay time
5 minutes

Switch-off delay time
HVAC
60 min.

Fully automatic

Individual configuration using remote control Mobil-PDi/User

- Manual dimming of lighting to required light value
- Temporary storage of required light value
- Storage of required light scene
- Activation of stored light scene

SELF-SERVICE HALL

(ATMs, usage type 5 in accordance with ENEV 2014)

DEFINITION OF TASK

In the self-service area of a bank the lighting should be automatically adjusted according to requirements, i.e. activated by natural light and the presence of people. Outside of business hours there should always be basic lighting of 10%. When a person enters the room, the lighting should be increased to 100%.

RECOMMENDED SOLUTION

Through the use of the selected presence detector, the lighting switches on automatically when the brightness level falls below the light intensity value and if movement is detected. The presence detector should be positioned so that the close-up range is used. The orientation light must be permanently switched on via the remote control. If the ambient lighting falls below the light value, the lighting switches on and remains at 10%; if a person enters the room, the lighting adjusts to 100%.

PRODUCT RECOMMENDATION

PD-C360i/12 mini DIM (p. 131)   **1 x**

For individual configuration, use the remote control Mobil-PDi/plus.
• Recessed ceiling mounting IP 55

PLANNING EXAMPLE

Roughly rectangular room, area approx. 30 m², ceiling height of 3 m.

■ Work area
□ Passage area

ACCESSORIES

Mobil-PDi/plus (service remote control, p. 267)   **optional**
The detector can be set in just 15 seconds according to customer requirements (no need for a ladder). The orientation light must be permanently switched on via the remote control. There is also the option of dimming or controlling the lighting at any time.
Mobil-RCi-M (end-user remote control, p. 264)   **optional**
It is possible to switch the lighting on or off at any time.

SETTINGS

Immediate operability due to default settings

Working area
light value

(approx. 400 lux)

Switch-off delay time
5 minutes

Fully automatic

Individual configuration using remote control Mobil-PDi/plus

🔓 Enter programming mode

👁 Store current light value as switch-on value

or

300lux Select from specified preset light values

🕐 Adjust switch-off delay time for light channel to 10 min.

Activate orientation lighting

🔒 Exit programming mode

CLASSROOMS
(schools, usage type 8 in accordance with ENEV 2014)

DEFINITION OF TASK

In a classroom, lighting should be automatically regulated to a constant light level according to requirements, i.e. activated by daylight and by the presence of people. The window and wall lighting strips should be switched and controlled independently of each other. The strip lights should be switched on manually via a button while the panel lighting (i.e. for a white/blackboard) is switched separately.

RECOMMENDED SOLUTION

Through the use of the selected presence detector, the lighting switches on when the brightness level falls below the light intensity value and if movement is detected. Both lighting zones are set to the required light level on the basis of continuous lighting control, and regulated separately depending on natural light levels and presence. As light measurement is performed using two channels, if the natural light increases then the lighting closer to the window will be controlled earlier than the lighting closer to the wall. The whiteboard/blackboard lighting works on a presence-dependent basis. Both the whiteboard/blackboard lighting and the two strip lights can be switched on or off separately using a button.

PRODUCT RECOMMENDATION

PD-C360i/24 DUODIMplus (p. 97/98)   **1 x**

• (FM and SM version)

PLANNING EXAMPLE

Roughly rectangular room, area approx. 90 m², ceiling height of 3 m.
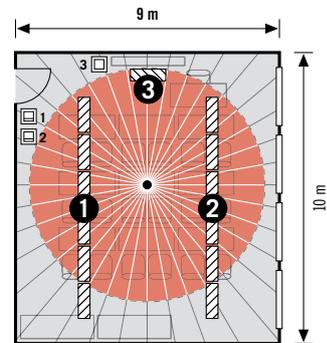
☐ Work area
☐ Passage area
1 Lighting, wall side
2 Lighting, bank of windows
3 Whiteboard/blackboard lighting

ACCESSORIES

Mobil-PDi/plus (service remote control, p. 267)   **optional**
The detector can be set in just 15 seconds according to customer requirements (no need for a ladder). There is also the option of dimming or controlling the lighting at any time without leaving the desk.

Mobil-PDi/User (end-user remote control, p. 268)   **optional**
There is also the option of dimming or controlling the lighting at any time without leaving the desk. Individual light "scenes" can be called up.

SETTINGS

Immediate operability due to default settings

Working area
light value
(approx. 400 lux)

Switch-off delay time
5 minutes

Fully automatic

Individual configuration using remote control Mobil-PDi/plus

🔓 Enter programming mode

👁 Store current light value
as switch-on value
500 lux   Select from specified preset light values

⏱ Adjust switch-off delay time for light channel to 10 min.

🔒 Exit programming mode

WC AND SANITARY FACILITIES

(in non-residential buildings, usage type 16 in accordance with ENEV 2014)

DEFINITION OF TASK

In toilet facilities, lighting should be automatically controlled according to requirements, i.e. activated by the presence of people.

RECOMMENDED SOLUTION

Through the use of the selected presence detector, the lighting switches on if movement is detected in the vestibule. In this example, the ambient lighting is constantly below the light value as there is no natural lighting. The toilet area is fully covered by a master detector and two slave detectors. The ventilation is switched on, depending on presence, via a floating contact (HVAC). When the room has been vacated and the set time has elapsed, the lighting and ventilation are switched off.

PRODUCT RECOMMENDATION

PD-C360i/8plus (p. 84)   **2 x**
PD-C360i/8 slave (p. 100)   **2 x**
- Recessed mounting IP 20
- Surface mounting IP 20/IP 54 with accessories
- Recessed ceiling mounting IP 20 with accessories

ACCESSORIES

Mobil-PDi/MDi (service remote control, p. 265)   **optional**
The detectors can be set in just 15 seconds according to customer requirements (no need for a ladder).

PLANNING EXAMPLE

Rectangular room, separate individual areas, area approx. 35 m², ceiling height of 3 m.
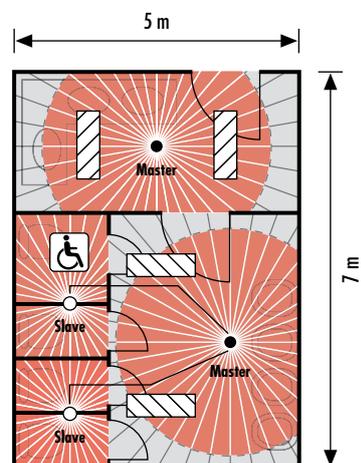
5 m

7 m

Master

Slave

Master

Slave

█ Work area
░ Passage area

SETTINGS

Immediate operability due to default settings

Light value
(approx. 400 lux)

Switch-off delay time
5 minutes

Switch-off delay time
HVAC
60 min.

Fully automatic

Individual configuration using remote control Mobil-PDi/MDi

🔓 Enter programming mode

🕐 Adjust switch-off delay time for HVAC channel to 15 min.

🔒 Exit programming mode

CIRCULATION AREAS

(stairwells, usage type 19 in accordance with ENEV 2014)

DEFINITION OF TASK

For safety reasons and convenience, lighting in a stairwell should be automatically controlled based on demand, i.e. activated by the presence of people.

RECOMMENDED SOLUTION

Through the use of the selected presence detector, the lighting switches on if movement is detected. In this example, the ambient lighting is constantly below the light value as there is no natural lighting. Due to the field of detection, the ceiling-mounted motion detectors can also detect movement downstairs. Through the installation of a detector with an acoustic sensor, the detector is also triggered by noise. If the detector switches off the lighting after the set time has elapsed (no movement or noise), the lighting can be immediately re-activated, e.g. by calling out (making a noise), within max. 8 seconds. Infinitely variable sensitivity to noise. The acoustic sensor will only be enabled if the detector is activated first, either by movement or by switching on manually (button or remote control). This prevents noises from outside the monitored area affecting operation.

PRODUCT RECOMMENDATION

MD-C360i/8 MIC (p. 77)   **4 x**
• Recessed mounting IP 20
• Surface mounting IP 20/IP 54 with accessories
• Recessed ceiling mounting IP 20 with accessories

ACCESSORIES

Mobil-PDi/MDi (service remote control, p. 265)   **optional**
The detectors can be set in just 15 seconds according to customer requirements (no need for a ladder).

PLANNING EXAMPLE

4-flight stairwell, 9-m long landing per flight, ceiling height of 3 m.
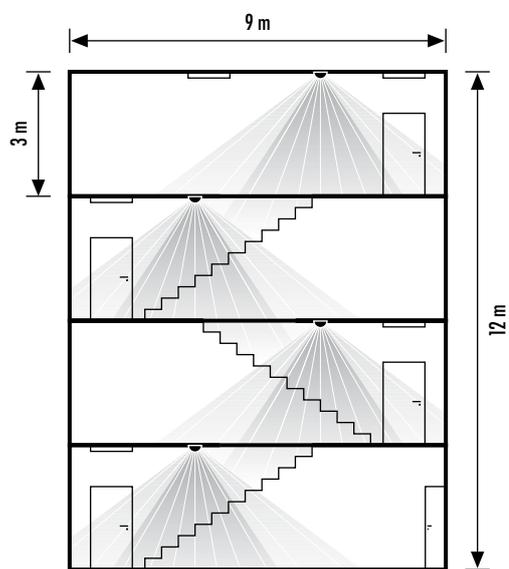
9 m

3 m

12 m

■ Head-on to detector
□ Passage area

SETTINGS

Immediate operability due to default settings

Light value
(approx. 100 lux)

Switch-off delay time
5 minutes

Fully automatic

Individual configuration using remote control Mobil-PDi/MDi

- Enter programming mode

- Store current light value as switch-on value
  or
- Select from specified preset light values

- Adjust switch-off delay time for light channel to 10 min.

- Exit programming mode

ARCHIVE/LIBRARY

(usage type 20/28 in accordance with ENEV 2014)

DEFINITION OF TASK

In a library, lighting should be automatically controlled according to requirements, i.e. automatically activated by daylight and by the presence of people. The individual aisles and seating areas should maintain basic lighting of 10% for approx. one hour. Lighting in the entrance area should only switch on according to requirements.

RECOMMENDED SOLUTION

Through the use of the selected presence detector, the lighting automatically switches on when the brightness level falls below the light value and if movement is detected. A master presence detector is installed in each aisle and above each seating arrangement. The orientation light can be programmed with the remote control. If the ambient lighting falls below the light value and movement is detected, the lighting switches to 100%. If no further movement is detected, the lighting for the aisles and seating areas switches to a basic lighting of 10% after one hour. After 1 hour (without movement), the lighting switches off completely.

PRODUCT RECOMMENDATION

PD-C360i/8 mini DIM (p. 130)   **9 x**
For individual settings, use the remote control Mobil-PDi/plus.
• Recessed ceiling mounting IP 55

ACCESSORIES

Mobil-PDi/plus (service remote control, p. 267)   **optional**
The detector can be set in just 15 seconds according to customer requirements (no need for a ladder). The orientation light must be permanently switched on via the remote control. There is also the option of dimming or controlling the lighting at any time.

Mobil-RCi-M (end-user remote control, p. 264)   **optional**
It is possible to switch the lighting on or off at any time.

PLANNING EXAMPLE

Rectangular room, 3 reading areas, 6 aisles, area approx. 165 m², ceiling height of 3 m.
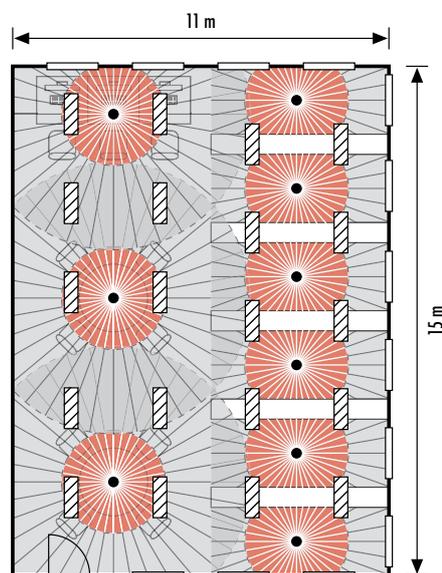
11 m

15 m

■ Work area
□ Passage area

SETTINGS

Immediate operability due to default settings

Working area
light value (approx. 400 lux)

Switch-off delay time
5 minutes

Fully automatic

Individual configuration using remote control Mobil-PDi/plus

- Enter programming mode
- Store current light value as switch-on value
  or
  Select from specified preset light values
- Adjust switch-off delay time for light channel to 15 min.
- Activate orientation lighting
- Exit programming mode

SPORTS HALL

(usage type 31 in accordance with ENEV 2014)

DEFINITION OF TASK

In a sports hall, lighting should be automatically controlled according to requirements, i.e. activated by daylight and by the presence of people. Each section of the hall to be switched independently.

RECOMMENDED SOLUTION

Through the use of the selected presence detector, the lighting switches on when the brightness level falls below the light intensity value and if movement is detected. A presence detector master and slave is installed in each section of hall. Due to their large field of detection, each half of the hall is detected separately.

PRODUCT RECOMMENDATION

PD-C360i/24plus (p. 88)	**2 x**
PD-C360i/24 slave (p. 101)	**2 x**

• Recessed mounting IP 20
• Surface mounting IP 20/IP 54 with accessories
• Recessed ceiling mounting IP 20 with accessories

PLANNING EXAMPLE

Rectangular sports hall, area approx. 1150 m²,
ceiling height of 5–10 m.
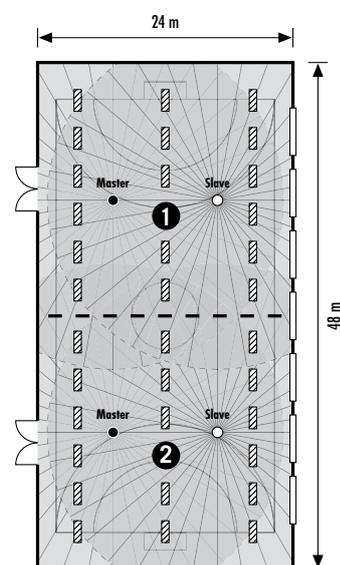
Passage area
Lighting area **1**
Lighting area **2**

ACCESSORIES

Mobil-PDi/MDi (service remote control, p. 265) optional
The detectors can be set in just 15 seconds according to customer requirements (no need for a ladder).

Basket guard (p. 259) optional
Basket guards are used to protect the presence detectors without limiting the field of detection.

SETTINGS

Immediate operability due to default settings

Light value
(approx. 400 lux)

Switch-off delay time
5 minutes

Fully automatic

Individual configuration using remote control Mobil-PDi/MDi

- Enter programming mode
- Store current light value as switch-on value
  or
  Select from specified preset light values
- Adjust switch-off delay time for light channel to 10 min.
- Exit programming mode

CAR PARKS

(office and private use, usage type 32 in accordance with ENEV 2014)

DEFINITION OF TASK

In an underground car park, lighting should be automatically controlled based on demand, i.e. activated by the presence of people. It should be ensured that the individual areas are activated on entering.

RECOMMENDED SOLUTION

Through the use of the selected presence detector, the lighting switches on automatically if movement is detected. In this example, the ambient lighting is constantly below the light value as there is no natural lighting. The detectors are connected individually and the light output is fed to a power contactor so that the entire area lighting system can be switched on.

PRODUCT RECOMMENDATION

MD-C360i/24 (p. 78)   **4 x**
• Recessed mounting IP 20
• Surface mounting IP 20/IP 54 with accessories
• Recessed ceiling mounting IP 20 with accessories

PLANNING EXAMPLE

U-shaped underground car park, 25 parking space, area approx. 660 m²,
ceiling height of 3 m.
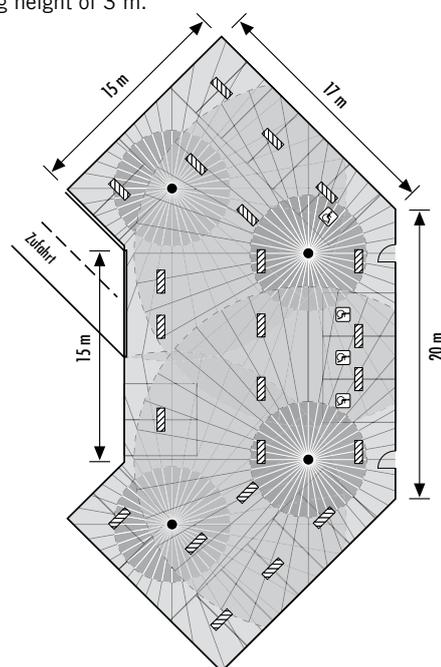
■ Head-on to detector
□ Passage area

ACCESSORIES

Surface mounting box C IP 54 (p. 253)   **4 x**
Mobil-PDi/MDi (service remote control, p. 265)   **optional**
The detectors can be set in just 15 seconds according to customer requirements (no need for a ladder).

SETTINGS

Immediate operability due to default settings

Light value for passageways (approx. 100 lux)

Switch-off delay time 5 minutes

Individual configuration using remote control Mobil-PDi/MDi

🔓 Enter programming mode

⏱ Adjust switch-off delay time for light channel to 10 min.

🔒 Exit programming mode

CORRIDORS

(hospital corridor, usage type 40 in accordance with ENEV 2014)

DEFINITION OF TASK

In a hospital corridor, lighting should be automatically controlled based on demand, i.e. dependent on natural light and the presence of people. Partial lighting should always be ensured in the corridor in the event of a phase failing.

RECOMMENDED SOLUTION

Through the use of the selected presence detector, the lighting switches on when the brightness level falls below the light intensity value and if movement is detected. The presence detector is operated with any phase (e.g. L1). The lights in the hallway are divided between the two remaining phases (L2 and L3). In the event of failure of a single phase which powers a single light group (e.g. L2), partial lighting is still ensured in the hallway (L3). If phase L1 fails and there is no power to the presence detector, the detector contacts close. As these are floating break contacts, the lighting remains switched on. The maximum in-rush current must be taken into account for both contacts and an ESYLUX current-limiting module used.

PRODUCT RECOMMENDATION

|	
PD-C360i/24 DRY (p. 87)	**1 x**
PD-C360i/24 slave (p. 101)	**1 x**

• Recessed mounting IP 20
• Surface mounting IP 20/IP 54 with accessories
• Recessed ceiling mounting IP 20 with accessories

ACCESSORIES

Mobil-PDi/MDi (service remote control, p. 265)   **optional**
The detectors can be set in just 15 seconds according to customer requirements (no need for a ladder).

PLANNING EXAMPLE

30 m long hospital corridor, 4 m wide, ceiling height of 3 m.
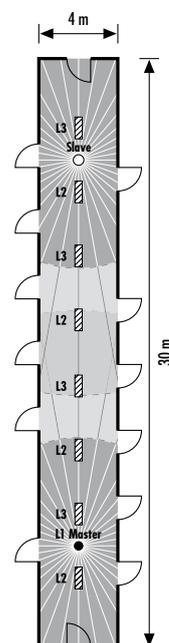
4 m

L3 Slave

L2

L3

L2

L3

L2

L3 L1 Master

L2

30 m

■ Head-on to detector
□ Passage area

SETTINGS

Immediate operability due to default settings

Light value
(approx. 400 lux)

Switch-off delay time
5 minutes

Fully automatic

Individual settings by remote control Mobil-PDi/MDi

🔓 Enter programming mode

👁 Enter current light value as switch-on value

or

250 lux select from fixed preset light values

⏱ Adjust switch-off delay time for light channel to 10 min.

🔒 Exit programming mode

WAREHOUSES

(usage type 42 in accordance with ENEV 2014)

DEFINITION OF TASK

In a high bay warehouse, lighting should be automatically controlled based on demand, i.e. dependent on natural light and the presence of people. The lighting in the individual aisles should then only switch on when each aisle is entered. The main aisle is regarded separately. Orientation lighting of 20% is required.

RECOMMENDED SOLUTION

Through the use of the selected presence detector, the lighting switches on when the brightness level falls below the light intensity value and if movement is detected. The master detectors should be mounted in the darkest area of the aisle. To ensure that movement in the main aisle will not switch on lighting in the side aisles, lens masks should be used.

PRODUCT RECOMMENDATION

**PD-C360i/24 DIMplus WH (p. 126)**   5 x
PD-C360/24 slave WH (p. 102)   6 x
- Recessed mounting IP 20
- Surface mounting IP 20/IP 54 with accessories
- Recessed ceiling mounting IP 20 with accessories

ACCESSORIES

Mobil-PDi/MDi (service remote control, p. 265)   optional
The detectors can be set in just 15 seconds according to customer requirements (no need for a ladder).

PLANNING EXAMPLE

Warehouse area approx. 1500 m², 45 m long main passageway, 6 aisles, ceiling height of 5–15 m.
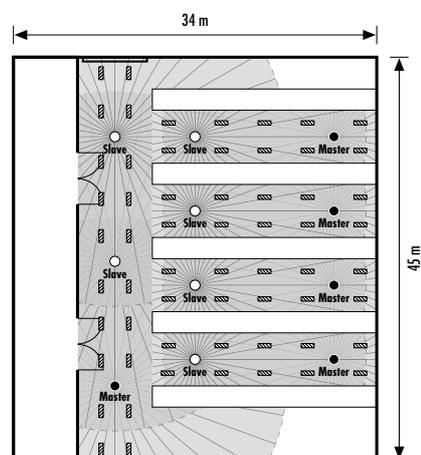
Height	length	width
15 m	40 m	6 m
12.5 m	34 m	5 m
10 m	32 m	4 m
7.5 m	21 m	3 m
5 m	14 m	2 m

Head-on to detector
Passage area

SETTINGS

Immediate operability due to default settings

Light value
(approx. 400 lux)

Switch-off delay time
5 minutes

Fully automatic

Individual settings by remote control Mobil-PDi/MDi

🔓 Enter programming mode

👁 or Store current light value as switch-on value

250 lux Select from specified preset light values

⏱ Adjust switch-off delay time for light channel to 10 min.

🔒 Exit programming mode

DETACHED HOUSE

Outdoor lighting control

DEFINITION OF TASK

Outdoor house lighting should be automatically controlled based on demand, i.e. dependent on natural light and the presence of people.

RECOMMENDED SOLUTION

Through the use of the selected presence detector, the lighting automatically switches on when the brightness level falls below the light value and if movement is detected. Reliable detection operates in the outdoor area and the general outside lighting is switched on. For garden parties, the detectors can be switched on or off with the remote control for short periods (max. 12 hours).

PRODUCT RECOMMENDATION

RC 230i (p. 162)   1 x
RC 280i (p. 163)   3 x
• Ceiling and wall mounting IP 54
• Mounting on inner and outer corners with accessories

PLANNING EXAMPLE

700 m² plot, front of house, terrace and garden.
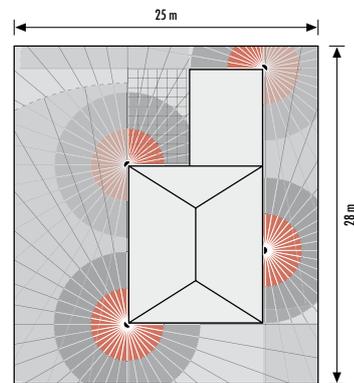
■ 360° anti-creep protection
■ Head-on to detector
□ Passage area

ACCESSORIES

**Mobil-RCi (service remote control, p. 270)**   optional
The detectors can be set in just 15 seconds according to customer requirements (no need for a ladder).

Mobil-RCi-M (end-user remote control, p. 264)   optional
It is possible to switch the lighting on or off at any time.

SETTINGS

Immediate operability due to default settings

Light value
10 lux

Switch-off delay time
2 min.

Maximum electronic range

Individual setting by remote control Mobil-RCi

🔓 Enter programming mode

👁 Store current light value as switch-on value
or
🌙 Select from four preset light values

⏱ Adjust switch-off delay time for light channel to 4 min.

🔒 Exit programming mode

FRONT OF HOUSE

Outdoor lighting control

DEFINITION OF TASK

Outdoor semi-detached house lighting should be automatically controlled according to requirements, i.e. activated by natural light and by the presence of people. Both entrance areas should be covered separately by the motion detectors.

RECOMMENDED SOLUTION

Through the use of the selected motion detector, the lighting switches on when the brightness level falls below the light intensity value and if movement is detected. The motion detectors are installed on the front of each house. Due to the dimensions of the plot, two operating ranges should be configured. The selected motion detector has 2 x 100° (total 200°) fields of detection which can be configured separately. These can each be set in 3 operating distance levels. *For garden parties, the detector can be switched on or off for short periods (max. 12 hours) using a remote control.*

PRODUCT RECOMMENDATION

MD-W200i (p. 157)   **2 x**
• IP 55 wall mounting

PLANNING EXAMPLE

24-m wide house front, 2 driveways and entrance areas.
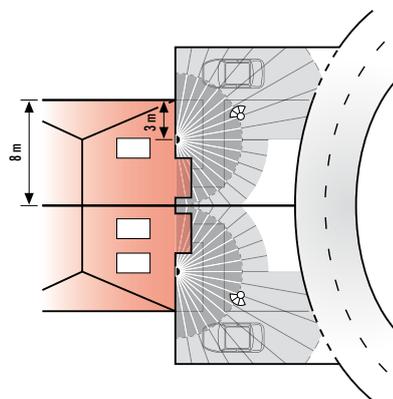
▉ Head-on to detector
▢ Passage area

ACCESSORIES

Mobil-RCi-M (end-user remote control, p. 264)   **optional**
It is possible to switch the lighting on or off at any time. RC filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers

SETTINGS

Immediate operability due to default settings

Light value
10 lux

Switch-off delay time
2 min.

Individual configuration using remote control Mobil-RCi-M

👁 Store current light value as switch-on value

💡 Lighting permanently ON/OFF for 12 hours

⏮ Reset functions and parameters

✕ Light can be switched off by remote control at any time and in any function

THE BASIC SERIES – FUNCTIONALITY FOR SIMPLE DEMANDS

- 10 A high-performance relay
- Zero-cross switching: Optimised for switching LED lights
- Factory setting for immediate operational readiness

BASIC detectors	Mounting methods
BASIC	**1.** **RECESSED MOUNTING** with flush mounted cable entrance
BASIC SMB	**2.** **RECESSED CEILING MOUNTING (ACCESSORY)** **Ceiling-mounted set-C (EP10425929)**. with dust-protected box and installation bracket with cord grips
3. **SURFACE MOUNTING** With spacers (included)	**4.** **SURFACE MOUNTING** With extended wiring space (SMB version)
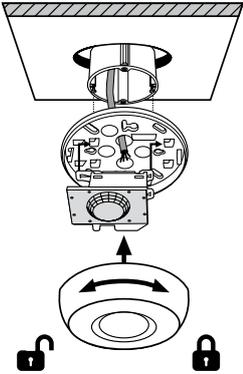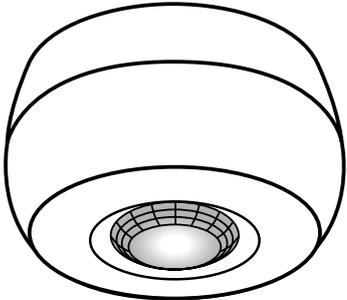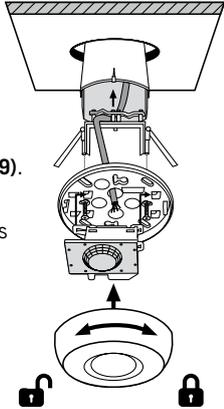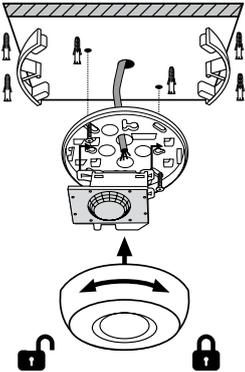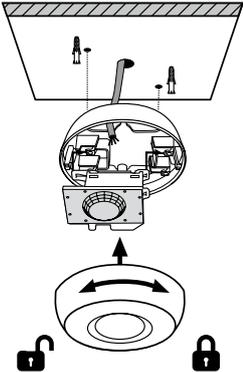
CEILING DETECTORS — SIMPLE TO USE YET VERSATILE

- Larger wiring space due to low overall height of the power box

- Time-saving plug-in terminals

- Compatible with many installation boxes

PD/MD Detectors	Mounting methods

1.

RECESSED MOUNTING IP 20

Installation/device box

(a) Quick and simple connection with plug-in terminals, large wiring space

2.

SURFACE MOUNTING IP 54 (ACCESSORIES)

Double diaphragm line entry

1 DETECTOR — 3 MOUNTING OPTIONS

- Larger wiring space due to low overall height
  of the power box
- Time-saving plug-in terminals
- Compatible with many installation boxes

PD-C/MD-C detector	Mounting methods

1.

RECESSED MOUNTING IP 20

Installation/device box

(a) Quick and simple connection with plug-in terminals,
large wiring space

2.

SURFACE MOUNTING IP 20/IP 54 (ACCESSORIES)

(a) Quadruple line entry with surface-mounted IP 20 box
(accessory)
(b) Double diaphragm line entry with surface-mounted IP 54 box
(accessory)

COVER AND DESIGN RING

Quick and easy to replace/paint
(silver as accessory)

3.

**CEILING MOUNTING IP 20
(ACCESSORY)**

Installation set (accessory)
(a) Dust-protected box and
installation bracket with cord
grips

THE WALL DETEECTOR – OPTIMUM, UNIVERSAL APPLICATIONS

- Compatible with all standard brand switch programs
- Manual shifting possible with integrated ON/OFF/AUTO switch
- IP 44 version with vandal-proof cover and stainless steel screws
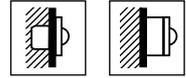
PD-C / MD-C 180i and PD / MD 180i detectors	Mounting methods

1.

UP box

Cover IP 20 (accessory)

AP box (accessory)

FLUSH OR SURFACE MOUNTING IP 20

With cover IP 20

CH version

**SIMPLE AND
FAST CONNECTION**

With plug-in terminals
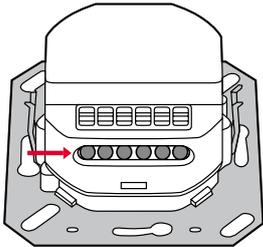
2.
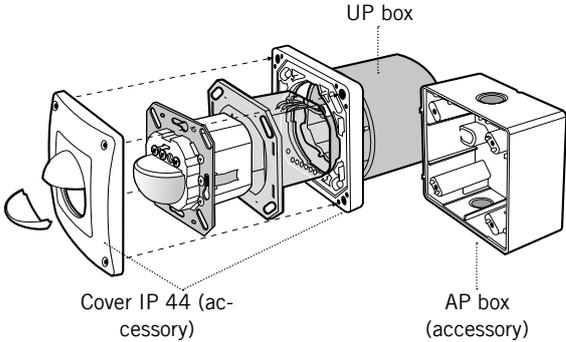
UP box

Cover IP 44 (accessory)

AP box (accessory)

FLUSH OR SURFACE MOUNTING IP 44

With cover IP 44

THE MINI DETECTOR – SMALL, INCONSPICUOUS AND FUNCTIONAL

- Small, compact size for installation hole dimensions of just 20 mm (...6 mini), or 25 mm (...8 + 12 mini) diameter
- IP 65 design (...6 mini) and IP 55 design (...8 + 12 mini) for installation especially in humid rooms
- Integrated factory settings, immediately ready for use
- Sensor and power unit integrated in the housing

PD-C/MD-C mini detector	Mounting methods
	1. **CEILING FLUSH MOUNTING WITH CLAMPING RING** For suspended ceilings, built-in cupboards, surface-mounted and flush-mounted boxes
	2. **CEILING FLUSH MOUNTING WITH SPRING CLIPS** For installation in enclosed suspended ceilings

ASSEMBLY OPTIONS FOR EXISTING CEILING SPOTLIGHTS OR BRAND SWITCHES

(a) Installation in ceiling spotlights with spotlight adapter (accessories)

(b) Brand switch compatible as wall flush mounting with enclosed clamping ring (... 6 mini)
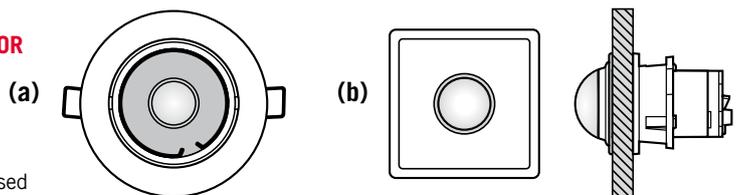
THE FLAT SERIES – VERY ELEGANT APPROACH TO ENERGY EFFICIENCY

- Low profile design, various designs, colours and materials
- Zero-cross switching: Optimised for switching LED lights
- Excellent detection range

FLAT detectors	Mounting methods
	1. **RECESSED MOUNTING** Quick and simple connection with plug-in terminals, large wiring space
	2. **RECESSED CEILING MOUNTING** **PD/MD-FLAT E variant** with dust-protected box and installation bracket with cord grips or with **ceiling mounting kit (accessory, EP10425929)**
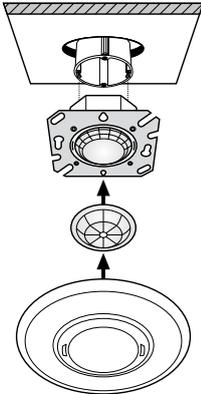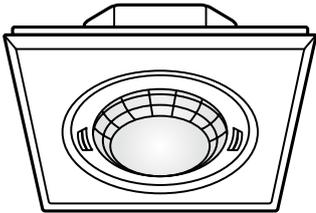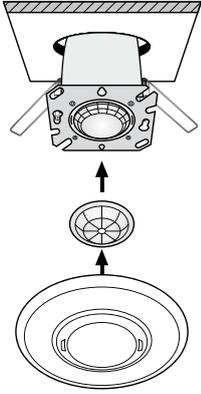
RC MOTION DETECTOR – OPTIMUM SAFETY

- 70% reduction in energy consumption, minimal energy consumption of only approx. 0.33 watts
- Optimal range setting of up to 20 m
- Visualisation of the programming mode with **blue mode** technology
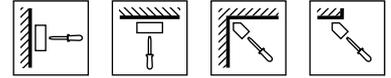
RC detectors	Installation

CEILING MOUNTING

If fitting to a ceiling, the two sensor parts are rotated so they are at a 180° angle to each other.
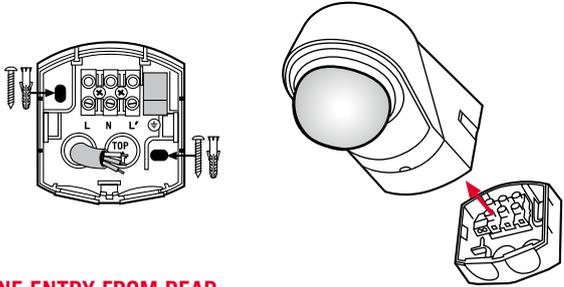
LINE ENTRY FROM REAR

One-handed plug-base for quick and easy installation
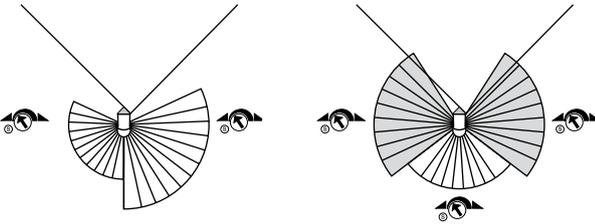
RC 230i: 2 x 115°   RC 280i: 3 x 95°

RANGE ADJUSTMENT

Range for each sensor field can be altered by mechanically adjusting the internal lens mask
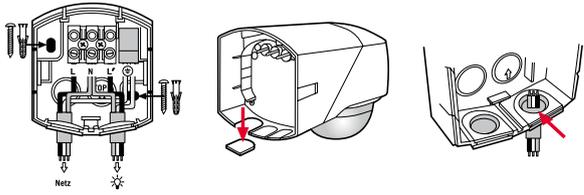
LINE ENTRY FROM BENEATH

One-handed plug-base for quick and easy installation
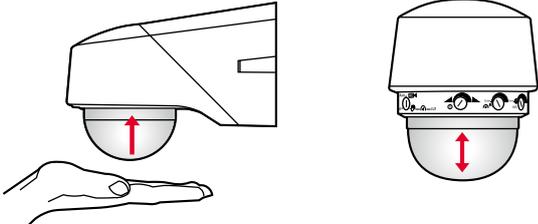
RETRACTABLE SETTING ELEMENTS

Prevents unintentional parameter or field of detection adjustments and protects from atmospheric influences
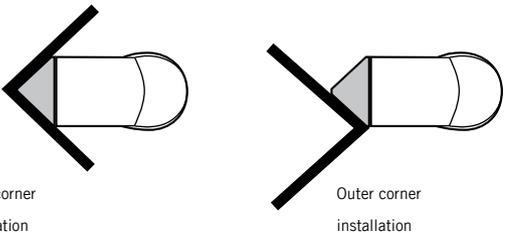
Inner corner installation   Outer corner installation

ASSEMBLY IN INTERNAL/EXTERNAL CORNERS

RC corner bracket available as accessory

MOTION DETECTOR MD-W – MODERN TECHNOLOGY, INNOVATIVE DESIGN

- Unique design fits any architecture, and the individual colour scheme allows a wide variety of options
- Modular construction for quick installation
- Integrated factory settings, immediately ready for use

MD-W detector	Installation

SURFACE MOUNTING

With flush-mounted line entry
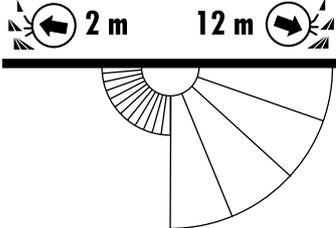
RANGE ADJUSTMENT

Alter the range for the left-hand and right-hand sensor fields by mechanically adjusting the internal lens mask
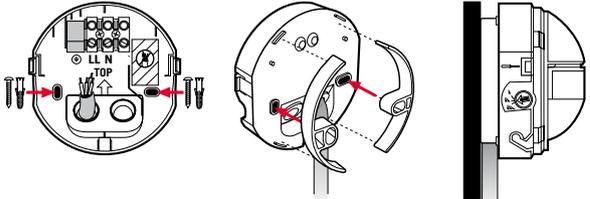
SURFACE MOUNTING

With surface-mounted line entry

SIMPLE AND FAST ASSEMBLY

With the double line entry, the large terminal compartment, the plug-in terminals and simple attachment of the cover cap, assembly is quick and easy

Acoustic sensor	If the detector switches off the lighting after the set time has elapsed, the lighting can be immediately re-activated, e.g. by calling out (making a noise), within max. 8 seconds. Infinitely variable sensitivity to noise. The acoustic sensor will only be enabled if the detector is activated first, either by movement or by switching on manually (button or remote control). This prevents noises from outside the monitored area affecting operation.
Motion detectors	Motion detectors respond to larger movements, which is why they are intended more for outdoor use. However, they can also be installed indoors. Like presence detectors, motion detectors also have a demand and comfort setting, but they are only suitable for premises with no or only very limited natural light and/or for short-term use. They ensure safety in dark areas, particularly walkways. Energy can also be saved when it comes to motion detectors, although the saving is not as high as for presence detectors. The switch-on criteria for motion detectors are as follows: If the ambient brightness is below the light value set on the detector and motion is registered, the motion detector switches on the light. In contrast to the presence detector, a motion detector does not feature permanent photometry, i.e. photometry is no longer enabled once the light is switched on. When the light is switched on, the motion detector would remain switched on until no further movement is detected.
"Blue mode" technology	The **"blue mode"** technology is the ESYLUX programming mode for our presence and motion detectors. With this technology, we have facilitated switching load-free commissioning and programming of ESYLUX presence and motion detectors, thereby significantly increasing the service life of the connected lights and relays. The programming mode is visualised with a blue LED built into the detector that displays each program step clearly and comprehensibly.
KNX bus system; TP (2-wire BUS)	KNX is a field bus for building automation and controls heating plants, lighting, blinds, ventilation and safety technology holistically. The line connects sensors and actuators and in most cases supplies the bus devices with energy. Compared to conventional installation technology, KNX allows a significant reduction of the cabling required for a decentralized arrangement of bus devices. The KNX specification has been included in the European standard EN 50090; this standard has also been accepted as international standard ISO/IEC 14543-3.
DALI	DALI stands for "Digital Addressable Lighting Interface" and was introduced by the lighting industry as an interface standard for actuating electronic ballasts. DALI allows for flexible lighting management as a single room solution; it is not a bus system for building control, but connection to KNX via a certified interface is possible. Some presence detector models act as a control unit with an integrated interface supply.
Twilight switch	A twilight switch is nothing other than a light sensor. The twilight switch features permanent photometry and switches the lights on when the light value falls below the preset value.
Diode	Diodes are electrical components that work like a valve. In a wiring drawing, the anode is the arrow, the cathode the bar. Current can "flow" from the anode to the cathode, but not in the other direction. There are diodes of different sizes, depending on the intended purpose.
Double diaphragm entry fitting	Double-diaphragm cable entry IP6X. Special plastic (flexible and temperature-resistant). Secure mounting without locknut, like an integrated diaphragm seal.
DSI	Digital serial interface - for digital control of electronic control gear with a DSI (serial port, asynchronous interface).

Electronic ballasts	Only electronic ballasts are mainly used now for fluorescent lamps in modern lighting systems. In contrast to conventional ballasts, electronic ballasts have significant advantages in that far less power is lost and the light yield is significantly higher with lower heat emission. However, the electronic ballasts not only have benefits. An inrush current considerably higher than the rated current, depending on the type, occurs in electronic ballasts. In addition, with electronic ballast switching, all lights switch on simultaneously. This is due to the fact that the capacitors contained in the electronic ballasts trigger a very high transient current pulse. The inrush currents differ greatly depending on the manufacturer of the electronic ballast and no general statements can made in this respect. In addition, the structure of the individual electronic ballasts differs greatly and the inrush currents are therefore very different, even where the specified rated currents are the same. In addition, the inrush current is also dependent on other system-specific factors, such as the type of power grid, the different internal resistances – soft- or hard-switching is referred to in this respect. Soft-switching: High internal resistance, reduced inrush currents Hard-switching: Low internal resistance, high inrush currents When planning, it is therefore not possible to clarify how many electronic ballasts can be connected to presence and motion detectors or to switching devices in general. The maximum inrush currents specified by us must therefore be taken into account during project planning and the specification for the maximum number of the electronic ballasts refers exclusively to references and are approximate values. In order to ensure a long service life of the switching devices we recommend the use of a current limiting module.
Field of detection	The field of detection defines the surveillance zone in which the motion or presence detectors register a change. ESYLUX motion and presence detectors feature excellent large fields of detection. If the field of detection of a detector for the room or area to be monitored is inadequate, it can be expanded by connecting several detectors (motion detectors) in parallel or with a master-slave circuit (presence detector).
ETS	The ETS (Engineering Tool Software) is the unique non manufacturer-specific tool software for planning and configuring intelligent home and building system technology with the KNX system. **Features:** - A single tool for any KNX project and for any KNX-certified device worldwide - This installation tool is a de facto part of the KNX standard - All product databases with certified products from KNX manufacturers can be imported into ETS - Together with ETS, the KNX system offers simple non manufacturer-specific software for all planners and installation companies
In-rush currents	With electronic ballasts and multi-ballasts, a significantly higher in-rush current compared to the rated current is to be expected. External relays, contactors, an ESYLUX relay module or a current-limiting module should be used for full load.
Energy efficiency classes	To assess the energy efficiency of buildings, four energy efficiency classes (A - D) have been introduced . Buildings are assigned one of these classes depending on the building automation system installed. The cost-savings potential for thermal and electrical energy can be calculated for each class, according to the type of building and how the building is used.
Frequency	The number of periods per second is referred to as the frequency. The unit of frequency is Hertz (symbol: Hz). The shorter the period, the greater the frequency; it is the inverse of the period. Alternating current from the power grid has 50 periods per second in Europe, i.e. 50 Hertz.

Direct current	DC stands for "direct current". An electrical current whose strength and direction does not change is known as direct current (DIN 40 110-1). The individual partial voltages add up to a total voltage.
BA	BA is the abbreviation for building automation. The entirety of the monitoring, control, regulating and optimisation equipment in buildings is collectively referred to as building automation. BA includes products, software and technical services for automatic control and regulation, monitoring and optimisation, and management that can be used to operate building equipment in an energy efficient manner, economically and safely. In order to ensure that a distinction can be made between different buildings in terms of the BA systems installed, BA energy efficiency classes are defined in the standard DIN EN 15232.
BM	BA is the abbreviation for building management. The acronym GMS for building management system is also commonly used. Building management refers collectively to the services associated with the management, operation and monitoring of buildings (including equipment and installations). Building management can form part of facility management.
GST 18i - supply line	Special 3-pin supply line, coded and marked for applications with firing voltages up to 5 KV. The components meet the requirements of DIN EN 60 598-1 (VDE 0711, para. 10.2 ff).
Semi-automatic mode	Semi-automatic mode is a setting for presence detectors. In this mode, which can be switched on using the dip switch on the detector itself or by remote control, the detector can be manually overridden at any time. The lighting can therefore be switched on or off with a switch, for example.
High-performance relay (tungsten feed contact)	This relay is suitable for switching capacitive loads such as: - Electronic ballasts - Parallel-compensated fluorescent lamps - Compact fluorescent lamps - Energy saving lights
HVAC	Abbreviation for heating, ventilation, air-conditioning.
Hysteresis	Hysteresis describes a system behaviour in which the output variable depends not only on the input variable, but also on the previous status of the output variable. The system can adopt a number of statuses for the same input variable. Hysteresis can be understood as a certain "dead range" around the threshold value within which the actual value must change in order to trigger a switch-over to the opposite status. In simple terms, a presence detector switches the artificial light off as part of the mixed photometry when a value of 700 lux is reached, for example, and does not switch the light on again until the value drops below 500 lux, for example, corresponding to a hysteresis of 200 lux.

Inductance/capacitance	Inductance, also known as self-inductance or self-induction L, is a property of electrical circuits, and in particular of coils. The self-inductance of a circuit correlates the rate of change of the electric current i with the electric voltage U in the following formula: u = L di/d The electric capacitance is a physical variable used in electrostatics, electronics and electrical engineering. The electric capacitance between two isolated electrically conductive bodies is equal to the ratio of the charge Q stored in these conductors and the electric voltage U present: C = Q/U For accumulators and batteries, the term "capacitance" is used for the maximum charge Q that can be stored in them. It is given in ampere-hours (Ah). However, ampere-hours express the electric charge and not the electric capacitance shown here. Inductive = coils, relays Capacitive = capacitors, energy-saving lamps
Constant lighting control	In rooms where there is plenty of natural light, it is useful to capture the ambient brightness and the presence of persons with sensors and to adjust the artificial lighting to the required brightness with dimmable lighting. The overall brightness of the room is thus automatically kept at a constant brightness. There is a high potential for energy saving of up to 50% compared to a non-regulated system.
Ball head technology	An adjustable sensor head on presence and motion detectors for individual adjustment of the field of detection.
KNX	KNX is a field bus for building automation and controls heating plants, lighting, blinds, ventilation and safety technology holistically. The line connects sensors and actuators and in most cases supplies the bus devices with energy. Compared to conventional installation technology, KNX allows a significant reduction of the cabling required for a decentralized arrangement of bus devices. The KNX specification has been included in the European standard EN 50090; this standard has also been accepted as international standard ISO/IEC 14543-3.
Output	The physical variable "power" represents the energy per time period and is referred to as electric power if the energy sourced or delivered is electrical energy. Power is specified internationally in watts (W). A distinction is made between three different powers: **Active power (W)** This is the energy actually converted per time period. It is specified in watts (symbol W). **Reactive power (var)** This is a generally undesirable and unusable energy per time period. It is specified in Var (symbol var). **Apparent power (VA)** This is also referred to as a connected value or connected load. It is specified in volt-ampere (symbol VA). The capacity rating is used to identify the power of a device (electrical consumer, energy converter) and can differ greatly from the power actually converted. It is specified in the same way as effective power. The type of power specified on the rating plate is essential. In the case of motors, the deliverable mechanical power is stated, whereas for lamps, vacuum cleaners or speakers the electrical power consumed is specified. In generators as well as bicycle dynamos or alternators, the electrical power emitted is specified.

Light channel c1 + c2	**Switching channel "Lights" (c1)**

Name for the output channels for motion and presence detectors. The lights are automatically switched on when the detector has been triggered by movement and the ambient light has fallen below the light value preset on the detector. If movement is no longer detected, the lighting will be switched off once the set time has elapsed.

Note on presence detectors:

If the detector is equipped with constant light control and the natural lighting increases, causing the ambient light to exceed the set light value, the detector switches the lights off automatically 5 minutes after the set light value is reached, despite any movement/presence. Subsequently, the lighting can be switched back on manually at any time.

Switching channel "HVAC" – only for presence detectors (c2)

The HVAC channel (heating, ventilation, air conditioning) is an additional contact and can be used to control heating, ventilation, air-conditioning, panel lighting etc. The contact will only be triggered by movement and is not controlled by the light value. If movement is no longer detected, the contact will switch off once the set time has elapsed.

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master

A motion or presence detector that is fully equipped with electronics and relays is known as the master. Further devices (slaves – which contain only the movement measurement system and communicate a measured value to the master) can be connected to these master detectors to extend the field of detection.

- Switches the lighting/heating/ventilation/air conditioning.
- Adjustment of parameters such as light value and switch-off delay time
- Light value and presence/movement are detected at the master.
- Processes incoming presence/motion signal from a slave device

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Ohm's law

Ohm's law makes the following correlation: If an electric voltage is applied to an object, the strength of the electric current flowing through the object changes proportionate to the voltage. Ohm's law applies only to DC and "ohmic resistances" (constant electric resistance).

The famous URI triangle helps to understand the formula:
1. $U = R * I$
2. $R = U / I$
3. $I = U / R$

I = current U = voltage R = resistance
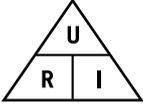
Orientation light

All ESYLUX DIM devices feature an "orientation light" function. This function can also be adjusted by remote control, e.g. with the ESYLUX Mobil-PDI/plus.
This is what is referred to as a night light function. A room is dimmed to approx. 10% of the maximum luminosity of the lights if the light value (LUX) falls below the preset value.
If the presence detector detects movement, the lighting level will be increased to the default light value. If the presence detector detects no further movements, the lighting level reverts to approx. 10% of the luminosity once the switch-off delay time has elapsed. If the ambient brightness is greater than the set light value, the presence detector switches the orientation lighting off altogether. If the value falls below the set threshold value, the orientation light comes on again.
A major benefit is that a person does not enter a completely darkened room and there is therefore a permanent low orientation light in these rooms. The most common application is in corridors (nursing homes, hospitals) or underground garages.
If you wish the orientation light to come on for a set period of time, you can select a duration from 1 to 60 minutes by pressing a button.

Parallel connection	The consumers are connected "side by side" in parallel. - The current is shared across the individual resistors - Any number of elements can be connected in parallel - The total resistance (Rg) is always less than the smallest individual resistance - The voltage is identical everywhere in the circuit - Individual elements can be added or removed (e.g. if they burn out) without causing the other elements to fail Hot plates, boilers and hair dryers, for example, are always designed according to the system of a parallel circuit.
Passive infrared technology	With ESYLUX motion and presence detectors, light can be directly targeted and consciously utilised. The detectors switch on the light automatically depending on the respective ambient brightness and the presence of people. Passive infrared technology makes this possible, i.e. built-in infrared sensors record thermal radiation and convert this into a measurable electric signal. Bodies, such as the human body, emit thermal radiation; this thermal radiation lies within the "infrared" range and is invisible to the human eye. The thermal image illustrates the body surface temperature distribution in the infrared range of light. The thermal radiation is collimated by an optical lens system and projected onto the infrared sensors. Changes in thermal radiation, i.e. a difference in temperature caused by movement, is recorded by the sensors and converted into an electric signal. The detector electronics process the signal and switch the connected consumers in accordance with the set parameters.
Phase control	Leading edge or trailing edge control is used to adjust or reduce the available power of a connected consumer.
Floating switching contact (HVAC)/relay contact	The HVAC channel (heating, ventilation, air conditioning) is an additional contact and can be used to control heating, ventilation, air-conditioning, panel lighting etc. The contact will only be triggered by movement and is not controlled by the light value. If movement is no longer detected, the contact will switch off once the set time has elapsed.
Presence detectors	A presence detector is a detector that detects the presence of persons using thermal energy. Unlike with a motion detector, the presence detector has permanent photometry, i.e. if, for example, the ambient or natural light is sufficient, the presence detector will not turn on the artificial light or light channel, despite any detection of movement. Presence detectors respond to the slightest movement, particularly during sedentary activities. As presence detectors have a demand and comfort circuit, they should be used indoors, as they can switch devices in premises with plenty of natural light and subject to extended periods of use. The automatic light control of a presence detector allows high energy savings by only activating connected consumers, e.g. lights, when they are specifically required. Some presence detectors have a further switching channel offering further control options, such as switching the control of heating, ventilation, air-conditioning (HVAC) and/or constant lighting control (dimming). The switch-on criteria for presence detectors are as follows: The light channel responds to the ambient brightness as well as to movement or the presence of people. If the ambient light is below the light value set on the detector, another light would be switched on. The HVAC switching channel only responds to movement or the presence of people.

RCD switch (FI switch)	As a rule, RCDs disconnect all poles (2- or 4-pole) in the event of a fault.
	In accordance with Kirchhoff's 1st law, currents always add up to zero at a node. In the event of a fault, the fault current flows and acts on a coil in the RCD, thereby triggering the latching mechanism.
	In Germany, RCDs are prescribed in new installations. A RCD must always be operated in combination with a fuse. Operation without an RCD is only permitted if existing protection is in place. However, existing protection is considered intact only if no changes are made to the electrical installation. As soon as something is changed, the existing protection becomes obsolete and the system must then be completely adapted to the technical standard.
	Only the combination of a circuit breaker (fuse) and RCD can effectively protect lines, the connected consumers and persons. An RCD detects fault currents as opposed to overcurrents, thereby protecting persons, whereas a fuse only protects the line from overload.
	Typical cut-out variables are 25 mA at 40 mS.
Range / field of detection	The range is the distance from which a presence or motion detector can detect a movement. This can only be done by heat, as the detector works with passive infrared technology. The range can be set differently for each motion and/or presence detector so that a longer and a shorter range can be achieved as necessary.
Series connection	In the case of series circuits, consumers are connected to each other in a series like a chain. Individual resistances add up to form a total resistance (Rg). The electricity is identical everywhere in the circuit and the voltage is shared across all individual resistors.
	Fairy lights, for example, are almost always designed according to the system of a series circuit.
Relay/contactor	Relays are switches that are operated by an electrical pulse. The power required to switch the relay is considerably lower than the switched power. Contactors are relays that can switch very high currents.
Switching relay	Relay for switching an electronic load.
Fusible link	Reacts to excess currents, but only works once. A fusible link interrupts a circuit when the current strength exceeds a certain value for a certain period of time by causing a fuse element to melt.
Protection classes	Protection classes define the electrical protection class of a device.
	There are 3 protection classes:
	- Protection class I
	- Protection class II
	- Protection class III
Fuses	Overcurrent protection devices (fuses) protect lines or other equipment from damage from the excessive heat that would result from overcurrent flowing over a prolonged period of time. An overcurrent can be caused by an overload or a short circuit.
	The main protective devices are:
	- Fusible link
	- Automatic circuit breaker
	- RCD switch (FI switch)

Automatic circuit breaker	An automatic circuit breaker responds to excess currents and is a reusable fuse element that does not reset itself automatically. Automatic circuit breakers are overload protection devices that protect the lines from damage and/or heating due to excess current.
Slave	A slave device is a presence detector that does not perform its own activities but merely forwards a movement detected by a motion measuring device to a master detector, which performs the corresponding set action. - Only detects presence/movement. - No configuration of the slave device - Forwarding of the presence/movement signal to the master device
Voltage	The electrical voltage is a physical variable indicating how much energy is required to move an electrical charge within an electric field. The symbol for voltage is U. In the international system of units it is expressed in the unit volt (symbol: V).
Current	The electrical current is the movement of charge carriers. In technical terminology, current often indicates its strength, i.e. the physical variable amperage with the symbol I and the unit "ampere" (symbol: A). In colloquial language, this usually refers to the transfer of electrical energy or simply the possibility of this in the form of a live installation.
Transformer	Transformers are passive electrical components used to convert AC voltages and for potential isolation. They consist of two coils, the primary coil and the secondary coil, which are closely connected to each other by a magnetic field. According to the principle of a transformer, an inductive field is generated in the primary coil of the transformer, which generates an AC voltage of the same frequency in the secondary coil by means of induction. To improve the transfer of the magnetic field, the primary coil and secondary coil are connected to each other with a ferrite or iron core.
TBM	TBM is the abbreviation for technical building management. The scope of technical building management includes the processes and services associated with the operation and management of buildings and building service installations. For the purposes of optimised maintenance and optimised energy consumption, this includes the technical building equipment in its entirety such as the heating, ventilation and air-conditioning systems (HVAC), lighting and the use of daylight, safety precautions, electrical equipment, energy monitoring and energy measurement with consumer meters, through to services including communication and maintenance. TGM provides trend information on energy consumption, warns against unnecessary energy consumption and through regulation, monitoring and optimisation can improve energy efficiency.

Fully automatic mode	ESYLUX presence detectors are fully automatic by default. This means: **1. "Lighting" switching channel** If the detector has been triggered by movement and the ambient lighting level falls below the default light value, the lighting will be automatically switched on. If movement is no longer detected, the lighting will be switched off once the set time has elapsed. However, should the natural lighting level increase and the ambient lighting level exceed the preset light value, the detector will automatically switch the lighting off 5 minutes after reaching the preset light value, regardless of any movement/presence. Subsequently, the lighting can be switched back on manually at any time. **2. "HVAC" switching channel only on presence detectors** The contact is only triggered by movement and is not controlled by the light value. If movement is no longer detected, the contact will switch off once the set time has elapsed.
Ballast	Ballasts are used to operate a wide variety of lights. In combination with a starter, for instance, they provide the right voltage spike to switch on a fluorescent lamp and to regulate the supply current during operation.
WAGO (push terminals)	German manufacturer of push terminal technology. These connectors are usually used in electrical installations.
Resistance	Electrical resistance is always specified in ohms. The capital omega from the Greek alphabet Ω is used internationally as the symbol. The electrical resistor is a component that reduces the current flow. It can be described like a bottleneck in a water pipe. An open circuit has an infinitely higher resistance. Each line, each electrical consumer is also a resistance.
Efficiency	In general, the efficiency indicates the relationship between the effort and the benefit ultimately obtained. The power efficiency is generally used, which indicates the ratio between outgoing and incoming power. The lower case eta from the Greek alphabet η is used internationally as the unit symbol. The ideal efficiency is 1. This means that the total incoming power is converted into the outgoing power without any loss. As the reality is usually different, the value is always smaller than 1. This can happen as a result of losses in the form of heat or mechanical friction losses.
Wattage	The watt is the unit of measure used in the international system of units for the power (energy converted per time period). A capital W is used as the symbol. Watt is a derived unit, which means that it can be expressed with base units, specifically with kg (kilograms), m (meters) and s (seconds). $W = (kg * m^2) / s^3$
360° anti-creep protection	Full field of detection among presence detectors and motion detectors.
1 - 10 V interface	The 1–10 V analogue interface is the most common generic standard for controlling operating devices (for example 1–10 V electronic ballasts to control lighting). A fail-safe DC voltage signal of 1 - 10 V is used for control. The control power is generated by the electronic ballast.

Order description	Order no.	EAN	Range code	Page
MD 360/8 Basic white	EB10430404	4 015120 430404	eb01	50
PD 360/8 Basic white	EB10430411	4 015120 430411	eb21	52
MD 360i/8 Basic white	EB10430428	4 015120 430428	eb01	50
PD 360i/8 Basic white	EB10430435	4 015120 430435	eb21	52
PD 360/8 KNX Basic	EB10430442	4 015120 430442	eb45	187
MD 180i/16 Basic white	EB10430459	4 015120 430459	eb02	46
MD 360i/8 Basic SMB white	EB10430466	4 015120 430466	eb01	51
PD 360i/8 Basic SMB white	EB10430473	4 015120 430473	eb21	53
PD 360/8 Basic SMB	EB10430480	4 015120 430480	eb21	53
MD 360/8 Basic SMB	EB10430497	4 015120 430497	eb01	51
PD 360i/8 LIN	EB10430619	4 015120 430619	eb21	283
MD 180i/16 Basic Set SKK	EB10430626	4 015120 430626	eb02	48
MD 180i/16 Basic Set EXX	EB10430633	4 015120 430633	eb02	49
MD 180i/16 Basic Set SKJ	EB10430640	4 015120 430640	eb02	47
CU PS DALI	EC10430008	4 015120 430008	ec01	308
CU-C RCB KNX DALI WAGO	EC10430015	4 015120 430015	ec01	282
CA-C Telescope Magnet	EC10430022	4 015120 430022	ec01	263
CA-C Mobil-CU-C	EC10430039	4 015120 430039	ec01	312
CA-C WMB for Mobil-CU-C	EC10430046	4 015120 430046	ec01	312
EA-C TEVD 230V	EC10430053	4 015120 430053	ec02	290
AA-C TEVD Cable 1m	EC10430077	4 015120 430077	ec02	318
AA-C TEVD Cable 5m	EC10430084	4 015120 430084	ec02	318
AA-C TEVD adaptor VA80	EC10430091	4 015120 430091	ec02	319
AA-C TEVD Adaptor VA78	EC10430107	4 015120 430107	ec02	319
AA-C TEVD Adaptor VA55H	EC10430114	4 015120 430114	ec02	320
AA-C TEVD Adaptor VA02	EC10430121	4 015120 430121	ec02	320
AA-C TEVD Adaptor VA50	EC10430138	4 015120 430138	ec02	321
AA-C TEVD Adaptor VA10	EC10430145	4 015120 430145	ec02	321
EA-C I/O analogue LIN	EC10430152	4 015120 430152	ec02	321
CA-C Coupler RJ45 1:1	EC10430169	4 015120 430169	ec01	313
CA-C Y coupler RJ45 1:2	EC10430176	4 015120 430176	ec01	313
CA-C P coupler RJ45 1:1	EC10430183	4 015120 430183	ec01	314
CA-C Splitter RJ45 1:2	EC10430190	4 015120 430190	ec01	314
CA-C Binary Input RJ45 1-CH	EC10430206	4 015120 430206	ec01	315
CA-C Patch Cable RJ45 0.1m	EC10430213	4 015120 430213	ec01	315
CA-C Patch Cable RJ45 1.0m	EC10430220	4 015120 430220	ec01	315
CA-C Patch Cable RJ45 3.0m	EC10430237	4 015120 430237	ec01	315
CA-C Patch Cable RJ45 5.0m	EC10430244	4 015120 430244	ec01	315
CA-C Cable 230V WAGO 1m	EC10430251	4 015120 430251	ec01	316
CA-C plug set WAGO	EC10430268	4 015120 430268	ec01	316
CA-C PLUG TEVD WAGO	EC10430275	4 015120 430275	ec01	317
CU-DIN R 4-CH 16A KNX	EC10430282	4 015120 430282	ec01	296
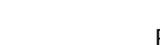
Order description	Order no.	EAN	Range code	Page
CU-DIN R 8-CH 16A KNX	EC10430299	4 015120 430299	ec01	296
CU-DIN R 12-CH 16A KNX	EC10430305	4 015120 430305	ec01	297
CU-DIN DIM 4-CH 1.5A KNX	EC10430312	4 015120 430312	ec01	297
CU-DIN DIM 6-CH 0…10V KNX	EC10430329	4 015120 430329	ec01	298
CU-DIN GW DALI KNX	EC10430336	4 015120 430336	ec01	304
CU-DIN SB 2-CH 10A KNX	EC10430343	4 015120 430343	ec01	298
CU-DIN SB 4-CH 10A KNX	EC10430350	4 015120 430350	ec01	209
CU-DIN SB 6-CH 10A KNX	EC10430367	4 015120 430367	ec01	209
CU-DIN PS 960	EC10430374	4 015120 430374	ec01	309
CU-DIN DRY 4-Z KNX	EC10430381	4 015120 430381	ec01	286
CA-DIN TP for DRY 2.5m	EC10430398	4 015120 430398	ec01	318
CU-DIN HVAC KNX	EC10430503	4 015120 430503	ec01	300
CA-DIN TP for HVAC 2.5m	EC10430510	4 015120 430510	ec01	322
CU-DIN IPRT KNX	EC10430527	4 015120 430527	ec01	304
CU-DIN LC KNX	EC10430534	4 015120 430534	ec01	304
CU-DIN USB KNX	EC10430541	4 015120 430541	ec01	305
CU-DIN PS 640 KNX	EC10430565	4 015120 430565	ec01	308
CDS-E white	ED10016509	4 015120 016509	ed01	244
CDS-A/N white	ED10016530	4 015120 016530	ed01	230
CDSi-A/N white	ED10016608	4 015120 016608	ed01	242
CDSi-A/N16AX white	ED10016660	4 015120 016660	ed01	243
LS FLAT mini KNX	ED10429002	4 015120 429002	ed45	232
RC 130i white	EM10015014	4 015120 015014	em01	161
RC 130i brown	EM10015113	4 015120 015113	em01	161
RC 130i black	EM10015212	4 015120 015212	em01	161
RC 230i white	EM10015311	4 015120 015311	em01	162
RC 230i brown	EM10015410	4 015120 015410	em01	162
RC 230i KNX white	EM10015472	4 015120 015472	em01	188
RC 230i black	EM10015519	4 015120 015519	em01	162
RC 230i stainless steel appearance	EM10015618	4 015120 015618	em01	162
RC 230i UC white	EM10015649	4 015120 015649	em01	222
RC 280i white	EM10015717	4 015120 015717	em01	163
RC 280i brown	EM10015816	4 015120 015816	em01	163
RC 280i black	EM10015915	4 015120 015915	em01	163
Mobil-RCi silver	EM10016004	4 015120 016004	em01	270
Mobil-RCi-M silver	EM10016011	4 015120 016011	em01	264
RC corner bracket white	EM10016110	4 015120 016110	em01	262
RC corner bracket brown	EM10016127	4 015120 016127	em01	262
RC corner bracket black	EM10016134	4 015120 016134	em01	262
RC corner bracket stainless steel appearance	EM10016141	4 015120 016141	em01	262
MD 120 white	EM10025211	4 015120 025211	em02	155
MD 120 brown	EM10025228	4 015120 025228	em02	155

Order description	Order no.	EAN	Range code	Page
MD 120 black	EM10025235	4 015120 025235	em02	155
MD 200 white	EM10025310	4 015120 025310	em02	156
MD 200 brown	EM10025327	4 015120 025327	em02	156
MD 200 black	EM10025334	4 015120 025334	em02	156
MD corner bracket white	EM10025518	4 015120 025518	em02	259
MD corner bracket brown	EM10025525	4 015120 025525	em02	259
MD corner bracket black	EM10025532	4 015120 025532	em02	259
MD-W200i white	EM10041006	4 015120 041006	em04	157
MD-W200i black	EM10041020	4 015120 041020	em04	157
MD-W covering cap white	EM10041099	4 015120 041099	em04	260
MD-W covering cap brown	EM10041105	4 015120 041105	em04	260
MD-W covering cap black	EM10041112	4 015120 041112	em04	260
MD-W cover cap stainless steel appearance	EM10041129	4 015120 041129	em04	260
MD 180i/R	EM10055010	4 015120 055010	ep02	56
MD 180 Basic white	EM10055089	4 015120 055089	em02	157
MD 180 Basic black	EM10055096	4 015120 055096	em02	157
Cover IP 20 white	EM10055102	4 015120 055102	ep99	248
Cover IP 20 signal white	EM10055119	4 015120 055119	ep99	248
Cover IP 20 cream white	EM10055126	4 015120 055126	ep99	248
Cover IP 20 charcoal grey	EM10055133	4 015120 055133	ep99	248
Cover IP 20 stainless steel finish	EM10055140	4 015120 055140	ep99	248
Cover IP 44 white	EM10055157	4 015120 055157	ep99	251
Surface-mounted box IP 20/IP 44 white	EM10055164	4 015120 055164	ep99	251
Cover IP 20-SKK white	EM10055270	4 015120 055270	ep99	248
MD 360i/24 white	EM10055300	4 015120 055300	ep01	60
MD 360/8 white	EM10055324	4 015120 055324	ep01	59
PD 360i/8 DALI ADR opal-matt	EM10210709	4 015120 210709	ep21	168
Surface-mounted box DALI ADR white	EM10210808	4 015120 210808	ep99	253
Ceiling-mounted set DALI ADR	EM10210815	4 015120 210815	ep99	257
Mobil-PDi/DALI ADR black	EM10210891	4 015120 210891	ep99	271
PD 180i/R	EM10410017	4 015120 410017	ep22	59
MD/PD 180 slave	EM10410024	4 015120 410024	ep22	58
PD 360i/8 white	EM10425004	4 015120 425004	ep21	58
PD 360/8 Slave white	EM10425028	4 015120 425028	ep21	64
PD 360i/24 white	EM10425103	4 015120 425103	ep21	62
PD 360/24 Slave white	EM10425127	4 015120 425127	ep21	65
PD 360i/Hallway white	EM10425158	4 015120 425158	ep21	63
Surface-mounted box IP 54 white	EM10425400	4 015120 425400	ep99	252
Cover set 360/8 silver	EM10425455	4 015120 425455	ep99	254
Mobil-PDi/MDi silver/metallic blue	EM10425509	4 015120 425509	ep98	265
Mobil-PDi/plus silver/metallic green	EM10425530	4 015120 425530	ep98	267
Mobil-PDi/User silver/metallic green	EM10425547	4 015120 425547	ep98	268

Order description	Order no.	EAN	Range code	Page
Basket guard 180/90 white	EM10425608		ep99	269
Basket guard 165/70 white	EM10425615		ep99	2679
PD-C 180i/16 Touch Plus Set SKJ	EP10002441		ep22	80
PD-C 180i/16 Touch Plus Set SKK	EP10002458		ep22	81
PD-C 180i/16 Touch Plus Set EXX	EP10002465		ep22	82
MD-C 180i/16 Touch Set SKJ	EP10002472		ep02	73
MD-C 180i/16 Touch Set SKK	EP10002489		ep02	74
MD-C 180i/16 Touch Set EXX	EP10002496		ep02	75
MD-C360i/24 white	EP10055317		ep01	78
PD-C360/8 Slave white	EP10055379		ep21	100
PD-C360/24 Slave white	EP10055386		ep21	101
MD-C360i/8 white	EP10055393		ep01	76
PD-C360i/8plus white	EP10425042		ep21	84
PD-C360i/8 white	EP10425059		ep21	83
PD-C360i/24plus white	EP10425288		ep21	88
PD-C360i/24 DC24Vplus white	EP10425318		ep21	220
PD-C360/24 DC24V Slave white	EP10425325		ep21	221
PD-C360i/8 DIMplus white	EP10425332		ep21	93
PD-C360i/8 DC24Vplus white	EP10425349		ep21	219
Surface-mounted box-C IP 20 white	EP10425370		ep99	252
Surface-mounted box-C IP 20 silver	EP10425387		ep99	252
Cover set C360/24 silver	EP10425431		ep99	255
PD-C360i/24 DRY white	EP10425707		ep21	87
MD-C360i/6 mini 12V opal matt	EP10425776		ep01	218
PD-C360i/24 DIMplus WH white	EP10425783		ep21	97
PD-C360/24 Slave WH white	EP10425790		ep21	102
MD-C360i/6 mini opal-matt	EP10425851		ep01	124
PD-C360i/6 mini opal matt	EP10425868		ep21	127
MD-C360i/8 MIC white	EP10425875		ep01	77
PD-C360i/8 MIC white	EP10425882		ep21	85
Mobil-PDi/Dali silver	EP10425899		ep98	266
Surface-mounted box-C IP 54 white	EP10425905		ep99	253
Surface-mounted box-C IP 54 silver	EP10425912		ep99	253
Ceiling recessed-mounted set-C white	EP10425929		ep99	256
Cover set C360/8 silver	EP10425936		ep99	255
MD-C360i/8 mini opal matt	EP10426001		ep01	125
MD-C360i/12 mini opal matt	EP10426018		ep01	126
PD-C360i/8 mini opal matt	EP10426025		ep21	128
PD-C360i/12 mini opal matt	EP10426032		ep21	129
PD-C360i/8 mini DIM opal matt	EP10426049		ep21	130
PD-C360i/12 mini DIM opal matt	EP10426056		ep21	131
PD-C360/8 mini slave opal matt	EP10426063		ep21	132
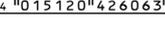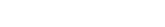
Order description	Order no.	EAN	Range code	Page
PD-C360/12 mini slave opal matt	EP10426070	4 015120 426070	ep21	133
PD-C360i/8 mini KNX opal matt	EP10426155	4 015120 426155	ep45	199
PD-C360i/12 mini KNX opal matt	EP10426162	4 015120 426162	ep45	200
SRM-230V relay module, white	EP10426346	4 015120 426346	ep98	260
ILR-230V current-limiting module, white	EP10426353	4 015120 426353	ep98	261
Spotlight adapter 51/20, opal matt	EP10426384	4 015120 426384	ep98	258
Spotlight adapter 51/25, opal matt	EP10426391	4 015120 426391	ep98	258
PD-C180i KNX	EP10426445	4 015120 426445	ep45	190
PD-C180i KNX ECO	EP10426452	4 015120 426452	ep45	191
PD-C360i/24 DIM white	EP10426704	4 015120 426704	ep21	94
PD-C360i/8 DIM white	EP10426711	4 015120 426711	ep21	92
PD-C360i/24 DIMplus-FM white	EP10426728	4 015120 426728	ep21	95
PD-C360i/24 DIMplus-SM white	EP10426735	4 015120 426735	ep21	96
PD-C360i/24 DUODIMplus-FM white	EP10426742	4 015120 426742	ep21	98
PD-C360i/24 DUODIMplus-SM white	EP10426759	4 015120 426759	ep21	97
PD-C360i/24 DUOplus-FM white	EP10426803	4 015120 426803	ep21	90
PD-C360i/24 DUOplus-SM white	EP10426810	4 015120 426810	ep21	89
Recessed ceiling mounting kit PD-F	EP10426889	4 015120 426889	ep99	256
Recessed ceiling mounting kit FM	EP10426896	4 015120 426896	ep99	257
RC filter/snubber	EP10426988	4 015120 426988	ep98	260
MD-C360i/8 mini-3m opal-matt	EP10427008	4 015120 427008	ep01	125
PD-C360i/8 mini-3m opal-matt	EP10427015	4 015120 427015	ep21	128
PD-C360i/12 mini-3m opal-matt	EP10427022	4 015120 427022	ep21	129
Cover IP20-BS1 polar	EP10427107	4 015120 427107	ep99	249
Cover IP20-BS1 white	EP10427114	4 015120 427114	ep99	249
Cover IP20-BM2 polar	EP10427121	4 015120 427121	ep99	249
Cover IP20-BM2 white	EP10427138	4 015120 427138	ep99	249
Cover IP20-BJSI white	EP10427145	4 015120 427145	ep99	250
Cover IP20-BJSI cream	EP10427152	4 015120 427152	ep99	250
Cover IP20-G55 white	EP10427169	4 015120 427169	ep99	250
Cover IP20-G55 cream	EP10427176	4 015120 427176	ep99	250
PD-ATMO 360i/8 A KNX white	EP10427206	4 015120 427206	ep45	212
PD-ATMO 360i/8 T KNX white	EP10427213	4 015120 427213	ep45	211
PD-ATMO 360i/8 O KNX white	EP10427220	4 015120 427220	ep45	213
PD-C180i/16 UC opal-matt	EP10427305	4 015120 427305	ep22	223
PD-C360i/8 UC white	EP10427312	4 015120 427312	ep21	224
PD-C360i/24 UC white	EP10427329	4 015120 427329	ep21	226
PD-CE360i/24 UC opal matt	EP10427336	4 015120 427336	ep21	227
PD-C360i/8 mini UC opal matt	EP10427343	4 015120 427343	ep21	225
PD-C360i/8 KNX UP white	EP10427404	4 015120 427404	ep45	196
PD-C360i/24 KNX UP white	EP10427428	4 015120 427428	ep45	197
PD-C360i/24 KNX ECO UP white	EP10427435	4 015120 427435	ep45	198

Order description	Order no.	EAN	Range code	Page
PD-C360i/8 DUO DALI opal frosted	EP10427442	4 015120 427442	ep45	171
PD-C360i/24 DUO DALI opal frosted	EP10427459	4 015120 427459	ep45	172
SW DALI Full Automation	EP10427473	4 015120 427473	ep45	292
SW DALI Semi Automation	EP10427480	4 015120 427480	ep45	271
PD-FLAT 360i/6 mini DALI	EP10427503	4 015120 427503	ep45	168
PD-C 360i/8 mini DALI	EP10427510	4 015120 427510	ep45	169
WMB for MD-C/PD-C 8 mini	EP10427527	4 015120 427527	ep99	254
PD-FLAT 360i/8 RW DALI	EP10427541	4 015120 427541	ep45	173
PD-FLAT 360i/8 SW DALI	EP10427558	4 015120 427558	ep45	175
PD-FLAT 360i/8 GRW DALI	EP10427565	4 015120 427565	ep45	177
PD-FLAT 360i/8 GSW DALI	EP10427572	4 015120 427572	ep45	179
PD-FLAT 360i/8 GRB DALI	EP10427589	4 015120 427589	ep45	178
PD-FLAT 360i/8 GSB DALI	EP10427596	4 015120 427596	ep45	180
PD-C 360i/8 CU-C Light	EP10427602	4 015120 427602	ep45	86
PD-C 360i/24 CU-C Light	EP10427619	4 015120 427619	ep45	91
MD-FLAT-E 360i/8 RW GST	EP10427862	4 015120 427862	ep21	141
PD-FLAT-E 360i/8 RW GST	EP10427879	4 015120 427879	ep21	148
MD-FLAT 360i/8 RW	EP10427886	4 015120 427886	ep45	136
MD-FLAT 360i/8 SW	EP10427893	4 015120 427893	ep45	138
PD-FLAT 360i/8 SB DALI	EP10427909	4 015120 427909	ep45	176
PD-FLAT 360i/8 RB DALI	EP10427916	4 015120 427916	ep45	174
PD-FLAT 360i/8 SW	EP10427923	4 015120 427923	ep45	145
PD-FLAT 360i/8 RW	EP10427930	4 015120 427930	ep45	142
PD-FLAT 360i/8 SB	EP10427947	4 015120 427947	ep45	146
PD-FLAT 360i/8 RB	EP10427954	4 015120 427954	ep45	143
PD-FLAT 360i/8 GRW	EP10427961	4 015120 427961	ep45	149
PD-FLAT 360i/8 GRB	EP10427978	4 015120 427978	ep45	150
PD-FLAT 360i/8 GSW	EP10427985	4 015120 427985	ep45	152
PD-FLAT 360i/8 GSB	EP10427992	4 015120 427992	ep45	153
MD-FLAT 360i/8 RG	EP10428029	4 015120 428029	ep45	137
PD-FLAT 360i/8 RG	EP10428036	4 015120 428036	ep45	144
MD-FLAT 360i/8 GRG	EP10428043	4 015120 428043	ep45	139
PD-FLAT 360i/8 GRG	EP10428050	4 015120 428050	ep45	151
PD-C 180i/16 Touch plus	EP10428500	4 015120 428500	ep22	79
MD-C 180i/16 Touch	EP10428517	4 015120 428517	ep02	72
MD-FLAT-E 360i/8 RW	EP10428548	4 015120 428548	ep45	140
PD-FLAT-E 360i/8 RW	EP10428555	4 015120 428555	ep45	147
Mobil-PDi/MDi-universal white	EP10433993	4 015120 433993	ep98	271
PD-FLAT 360i/8 RW KNX	EP10451706	4 015120 451706	ep45	201
PD-FLAT 360i/8 SW KNX	EP10451713	4 015120 451713	ep45	204
PD-FLAT 360i/8 GRW KNX	EP10451720	4 015120 451720	ep45	206
PD-FLAT 360i/8 GSW KNX	EP10451737	4 015120 451737	ep45	209

Order description	Order no.	EAN	Range code	Page
PD-FLAT 360i/8 GRB KNX	EP10451744	4 015120 451744	ep45	207
PD-FLAT 360i/8 GSB KNX	EP10451751	4 015120 451751	ep45	210
PD-FLAT 360i/8 RB KNX	EP10451768	4 015120 451768	ep45	202
PD-FLAT 360i/8 SB KNX	EP10451775	4 015120 451775	ep45	205
PD-FLAT 360i/8 GRG KNX	EP10451782	4 015120 451782	ep45	208
PD-FLAT 360i/8 RG KNX	EP10451799	4 015120 451799	ep45	203
PD-C 180i/16 Touch KNX	EP10460104	4 015120 460104	ep46	192
PD-C 180i/16 Touch KNX SET SKJ	EP10460128	4 015120 460128	ep46	193
PD-C 180i/16 Touch KNX SET SKK	EP10460135	4 015120 460135	ep46	194
PD-C 180i/16 Touch KNX SET EXX	EP10460142	4 015120 460142	ep46	195
MD-CE360i/8 opal matt	EP10510007	4 015120 510007	ep01	108
MD-CE360i/8 GST opal matt	EP10510014	4 015120 510014	ep01	109
MD-CE360i/24 opal matt	EP10510021	4 015120 510021	ep01	111
MD-CE360i/24 GST opal matt	EP10510038	4 015120 510038	ep01	112
MD-CE360i/8 WAGO opal matt	EP10510045	4 015120 510045	ep01	110
MD-CE360i/24 WAGO opal matt	EP10510052	4 015120 510052	ep01	113
PD-CE360i/8 opal matt	EP10510700	4 015120 510700	ep21	114
PD-CE360i/8 GST opal matt	EP10510717	4 015120 510717	ep21	115
PD-CE360i/24 opal matt	EP10510724	4 015120 510724	ep21	117
PD-CE360i/24 GST opal matt	EP10510731	4 015120 510731	ep21	118
PD-CE360/8 slave opal matt	EP10510748	4 015120 510748	ep21	120
PD-CE360/24 slave opal matt	EP10510755	4 015120 510755	ep21	121
PD-CE360i/8 WAGO opal matt	EP10510786	4 015120 510786	ep21	116
PD-CE360i/24 WAGO opal matt	EP10510793	4 015120 510793	ep21	119
CDS-A/T white	RK39500010040	4 015120 010040	ed01	241

Piktogram explanation

230 V ~	Mains voltage 230 V AC	
12-24 V ⎓	Supply voltage e.g. 12 - 36 V DC	
12-36 V ⎓ / 12-24 V ~	Supply voltage e.g. 12 - 36 V ⎓, 12 - 24 V ~	
KNX	KNX registered and certified	
DALI	DALI interface	
DALI BUS	Supply voltage via the DALI BUS	
DALI DSI	DALI DSI Electronic ballast control	
DALI ADR	DALI Adressable	
1-10 V	1 - 10 V interface	
	Range in diameter when ceiling mounted e.g. 8 m	
	Wall-mounted range in radius e.g. 8 m	
	Wall-mounted range in diameter e.g. Ø 16 m	
	Field of detection e.g. 360°	
	Pet zone	
	Anti-creep protection	
	Field of detection adjustable	
	Pivoting sensor head	
c1 / c2	Light channel	
c1 / c2	Light / Dim channel	
c1 / c2	Dim channel	
c2 / c3	Light / HVAC channel	
	Recessed mounting Ceiling / wall	
	Surface mounting ceiling	
	Recessed mounting wall with accessories	
	Surface mounting ceiling/wall with accessories	
	Surface mounting ceiling with spacers	
	Recessed ceiling mounting	
	Recessed ceiling mounting with accessories	
	Clamp mounting	
	Wall mounting	

	Ceiling mounting
	Inner corner mounting
	Inner corner mounting with accessories
	Outer corner installation
	Outer corner installation with accessories
	Air quality monitoring based on VOC (volatile organic compounds)
	Temperature measurement
	Humidity measurement
	Acoustic signal
	Acoustic sensor
	Light sensor
	Storage of current light value
	Manual setting Switch-off delay time/lux values
	Light value adjustable by potentiometer
LUX 1-300 1-1000	Light value adjustable mechanically / electronically
	Timer individually adjustable
ON/OFF	Continuous lighting ON/OFF
	Light/HVAC control
	Dimmer function
	Random function/holiday program
	Alarm function
16 A	16 A high-performance relay
16AX	Switching capacity per channel
ETS	Assign parameters with ETS software
blue mode	Including blue mode Technology
IR))	Remote controllable (infrared)
	Diaphragm cable input
	Quick and simple connection via plug-in terminals
	DIN rail mounting
	Basket guard

	Manual mode
	Battery included
	Glass surface
Frame	Frame available as accessory
IP 55	Protection type e.g. IP 55
IP 54 Accessory	Protection type with accessories e.g. IP 54
	Controling shutters
	Controling awnings
	Controlling blinds
USB	USB interface
LAN	LAN networkable
	Protection class II
	Protection class III

This catalogue is intended as a working basis for business.

The information in this catalogue is not binding in relation to the illustrations, design, size and colour of the products shown. We reserve the right to make changes to technology and designs with a view to improving the quality of the products. For any technical questions or to order promotional material, please contact your wholesaler or contact the ESYLUX sales department directly.
Subject to error.

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