DATA SHEET

PD-C 360i/24 DRY

Item number	GTIN
EP10425707	4015120425707



5 YEARS MANUFACTURER WARRANTY

Ø 24 m | 360° | ON/OFF | IP20 | 1 CH | IR

Product description

- 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

Special Product Features:

- Potential-free switch contacts
- Simple parameterisation, remote control and documentation with ESY-Pen and ESY-App

Technical data

GENERAL	
Device category	Ceiling-mounted presence detector
Product information	Please note the Explanation of circuit breaker in the download area of the product!
Included in delivery	Includes lens mask
User interface	Adjusting controller, IR remote control
Remote controllable	✓
Conformity	CE, EAC, RoHS, WEEE
Warranty	5 years

ATTACHMENT	
Installation type	Flush-mounted/Device socket Ø 68 mm
Installation position	Ceiling
Installation dimension	Installation depth: 24 mm, Ø 60 mm
Type of connection	Push terminal
Connectable wire cross section	1.5 – 2.5 mm^2

HOUSING	
Dimensions	Height 70 mm, Ø 108 mm
Weight	145 g
Material	UV-stabilised polycarbonate
Protection type	IP20
Protection type with accessory	IP54 with surface-mounted box (order separately)
Permissible ambient temperature	-25 °C...+50 °C
Relative humidity	5 – 93 %, non-condensing
Colour	white, similar to RAL 9010

ELECTRICAL VERSION	
Control system	ON/OFF
Protection class	II
Nominal voltage	230 V ~ / 50 Hz
In-rush current	5 A
Power consumption	0.3 W

SENSORS	
Detection angle	360°
Detection range tangential Manual measurement	Ø 24 m
Detection range tangential Automated measurement in accordance with IEC 63180/AMD1 / sensNORM 3.0	Ø 24 m
Detection range radial Automated measurement in accordance with IEC 63180/AMD1 / sensNORM 3.0	Ø 8 m
Detection range presence Automated measurement in accordance with IEC 63180/AMD1 / sensNORM 3.0	Ø 6 m
Field of detection	up to 453 m^2
Recommended installation height	3 m
Max. mounting height	10 m
Light measurement	mixed light
Level of brightness	5 – 2000 lx

CHANNELS (LIGHTING / HVAC)	
Number of light channels	1
Push button input lighting	1
Push button input HVAC	-
Slave input	✓
Max. number of slave detectors	10
Mode	Semi-automatic, Fully automatic
Switching delay from "dark to light"	300 s

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Switching delay from "light to dark"	30 s
Constant light control	–
Channel	**C1** Lighting
Function	Switching
Switching capacity	floating/NC 230 V AC/5 A, 24 V DC/5 A

Switch contact	make contact / floating
Push button input	✓
Impulse mode	✓
Switch-off delay time	60 s...30 min (adjustable in steps)

Factory settings

Channel	**C1** Lighting
Operating mode	fully automatic
Level of brightness/switching threshold	400 lx
Switch-off delay time	5 min

CHANNELS (LIGHTING / HVAC)	
Channel	**C2** HVAC
Operating mode	fully automatic
Level of brightness/switching threshold	400 lx
Switch-off delay time	5 min

Accessories

Product designation	Item number	Product description	GTIN
Ceiling-mounted presence detector			
PD-C 360/8 Slave	EP10055379	Slave presence detector for extending the field of detection of a Master presence detector	4015120055379
PD-C 360/24 Slave	EP10055386	Slave presence detector for extending the field of detection of a Master presence detector	4015120055386
PD-C 360/32 Slave	EP10427770	Slave presence detector for extending the field of detection of a Master presence detector	4015120427770
Cover			
COMPACT COVER SET 24/32 SR	EP10425431	Cover set for COMPACT series, 24 m/32 m, consists of cover and design ring, silver	4015120425431
COMPACT COVER SET 24/32 BK	EP00007491	Cover set for COMPACT series, 24 m/32 m, consists of cover and design ring, black	4015120007491
Electrical accessories			
FILTER 230 V	EP10426988	Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers	4015120426988
Mounting			
COMPACT MOUNTING BOX IP20 SM WH	EP10425370	Surface-mounted box for COMPACT series, IP20, white	4015120425370
COMPACT MOUNTING BOX IP20 SM SR	EP10425387	Surface-mounted box for COMPACT series, IP20, silver	4015120425387
COMPACT MOUNTING BOX IP54 SM WH	EP10425905	Surface-mounted box for COMPACT series, IP54, white	4015120425905
COMPACT MOUNTING BOX IP54 SM SR	EP10425912	Surface-mounted box for COMPACT series, IP54, silver	4015120425912
MOUNTING SET IP20 FM 62 WH	EP10425929	Recessed ceiling mounting set includes installation bracket and dust-protected box, 62 mm	4015120425929
COMPACT MOUNTING BOX IP54 SM BK	EP10426940	Surface-mounted box for COMPACT series, IP54, black	4015120426940
COMPACT MOUNTING BOX IP20 SM BK	EP10426933	Surface-mounted box for COMPACT series, IP20, black	4015120426933
COMPACT MOUNTING BOX-2 IP54 SM WH	EP10426216	Surface-mounted box for COMPACT series, IP54, white	4015120426216
Protection			
BASKET GUARD ROUND LARGE	EM10425608	Basket guard for presence and motion detectors and smoke detectors, Ø 180 mm, height 90 mm	4015120425608
BASKET GUARD ROUND SMALL	EM10425615	Basket guard for presence and motion detectors and smoke detectors, Ø 165 mm, height 70 mm	4015120425615
Remote control			
ESY-Pen	EP10425356	ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management	4015120425356
REMOTE CONTROL MDi/PDi	EM10425509	IR remote control for presence detectors and motion detectors	4015120425509

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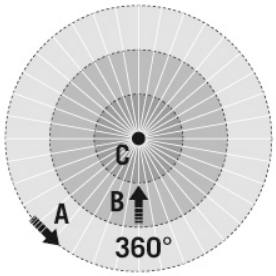
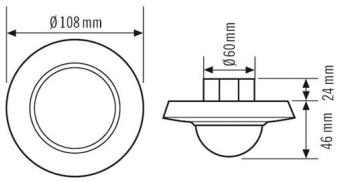
Field of detections



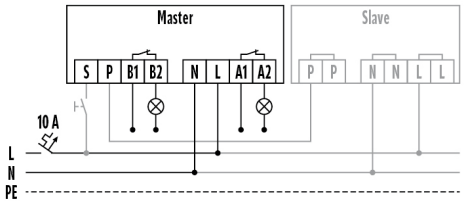
Detection range

Installation height	Tangential A Manual measurement	Tangential A Automated measurement in accordance with IEC 63180/AMD1 / sensNORM 3.0	Radial B Automated measurement in accordance with IEC 63180/AMD1 / sensNORM 3.0	Presence C Automated measurement in accordance with IEC 63180/AMD1 / sensNORM 3.0
2.5 m		Ø 24 m	Ø 6 m	Ø 6 m
3 m	Ø 24 m	Ø 24 m	Ø 8 m	Ø 6 m
5 m		Ø 25 m	Ø 9 m	
10 m		Ø 28 m	Ø 11 m	

Dimension drawing



Circuit diagram



Standard operation with optional control via a closing button and use of max. ten slave devices to one master device.

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Detailed product description

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- Ideal for use in **areas with ceilings of up to 10 m**, such as sports halls, warehouses etc.
- Default settings ensure immediate operability
- Simple programming using remote control with "blue mode" technology or setting elements
- Integrated toggle for setting with remote control or by adjusting controller - prevents operating errors and provides tamper protection
- Masking of interference sources by reducing sensitivity using DIP switches
- Additional switch input with toggle function "room = ON + OFF/hallway = ON"
- Detector can be used as a fully automatic or semi-automatic device
- Flush-mounted device as standard
- Surface mounting or recessed ceiling mounting with accessories
- Easily replaceable/paintable cover and design ring (available in silver as an accessory)
- Field of detection can be extended by connecting slave devices
- Targeted masking out of areas by means of an enclosed lens mask