

PD-C 360i/12 mini

Item number

EP10426032

GTIN

4015120426032



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, spring installation clips, clamping installation ring
User interface	IR remote control
Remote controllable	✓
Conformity	CE, EAC, RoHS, WEEE
Product-specific information	Configuration via ESY-app (ESY-Pen required!) or IR remote control possible.
Warranty	5 years
ATTACHMENT	
Installation type	Recessed mounting
Installation position	Ceiling
Type of connection	Open end
Length of cable	0.6 m
HOUSING	
Dimensions	Height 70 mm, Ø 58 mm
Weight	106 g
Material	UV-stabilised PE, UV-stabilised polycarbonate
Protection type	IP55
Permissible ambient temperature	-25 °C...+50 °C
Relative humidity	5 - 93 %, non-condensing
Colour	white, opal matt
ELECTRICAL VERSION	
Control system	ON/OFF

Ø 12 m	360°	ON/OFF	IP55	1 CH			IR)))
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Product description

- 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
- high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

Offers special product features like:

- Simple parameterisation, remote control and documentation with ESY-Pen and ESY-App

Protection class	II
Nominal voltage	230 V ~ / 50 Hz
In-rush current	800 A / 200 µs
Power consumption	0.2 W

SENSORS

Detection angle	360°
Detection range diagonally	Ø 12 m
Detection range head-on	Ø 6 m
Detection range presence	Ø 4 m
Field of detection	up to 113 m²
Recommended installation height	3 m
Max. mounting height	5 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
Switching delay from "light to dark"	30 s
Constant light control	-
Channel	C1 Lighting
Function	Switching
Switching capacity	230 V/50 Hz

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	2300 W/10 A (cos phi = 1) 1150 VA/5 A (cos phi = 0,5) 600 W LED
Switch contact	make contact / non-floating

Push button input	✓
Impulse mode	✓
Switch-off delay time	60 s...15 min (adjustable in steps)

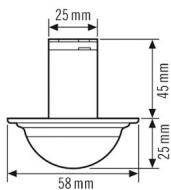
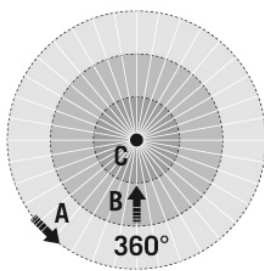
Factory settings

GENERAL	
Sensitivity	100 %
CHANNELS (LIGHTING / HVAC)	
Channel	C1 Lighting

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
Adapter			
COMPACT MINI SPOTLIGHT ADAPTER 51/25	EP10426391	Adapter for COMPACT MINI (8 m and 12 m) series for installing motion and presence detectors in spotlights (illuminant size QR-CBC51-Ø 51 mm) with retaining ring	4015120426391
Ceiling-mounted presence detector			
PD-C 360/8 mini Slave	EP10426063	Slave presence detector for extending the field of detection of a Master presence detector with 360° field of detection for ceiling mounting	4015120426063
Electrical accessories			
FILTER 230 V	EP10426988	Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers	4015120426988
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
Mobil-PDi/MDi-universal	EP10433993	Remote control for quick and precise setting of various parameters	4015120433993

Dimension drawing	Field of detections	Detection range	
		Diagonally (A)	Ø 12 m
		Frontal (B)	Ø 6 m
		Presence area (C)	Ø 4 m

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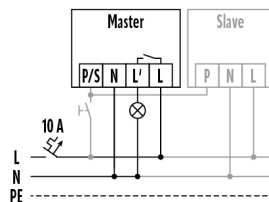
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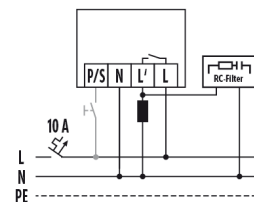
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Circuit diagram



Circuit diagram



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

When connecting inductors (e.g. relays, contactors, ballasts) the use of a filter (RC-Filter) may be necessary.

Detailed product description

- Mini presence detector with **360° field of detection** for recessed ceiling mounting for demand-responsive lighting control and therefore noticeable energy cost reductions
- **range of up to 12 m** in diameter for use in larger rooms, passageways, offices and hallways with natural lighting
- 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
- Default settings ensure immediate operability
- and automatically controls the light depending on presence and daylight
- Simple programming using remote control
- Small, compact design for an installation hole size of just 25 mm in diameter
- Fixed cable, 60 cm long
- New universal ESYLUX fastening technology for quick installation in suspended ceilings, lights, recessed boxes and cupboards, for example
- Recessed ceiling mounting possible in closed, suspended ceilings with supplied spring clips or clamping ring
- Additional switch input
- Detector can be used as a fully automatic or semi-automatic device
- Field of detection can be extended by connecting slave devices
- Targeted masking out of areas by means of an enclosed lens mask