DATA SHEET

ESYLUX

PD-C 360i/32 Corridor

Item number	GTIN
EP10428180	4015120428180

32 m elliptic	360°	ON/OFF	IP20	1 CH

Product description

- Presence detector with **360° field of detection** for ceiling mounting
- Large **Range of up to 32 m in corridors or passages** in diameter at a recommended installation height of 3 m (maximum mounting height 10 m), suitable for a variety of uses
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

Offers special product features such as:

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

5 YEARS MANUFACTURER WARRANTY

Technical data

GENERAL

Device category	Ceiling-mounted presence detector
Included in delivery	Includes lens mask
Product information	Please note the Explanation of circuit breaker in the download area of the product! Mounting position: Keep a safe distance of 5 m from radio antennas (e.g. WiFi access points).
User interface	Adjusting controller, IR remote control with "blue mode" technology
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/Depth 70 mm, Ø 108 mm
Weight	144 g
Material	UV-stabilised polycarbonate
Protection type	IP20
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 AC / 50 Hz
In-rush current	800 A / 200 µs
Power consumption	0,3 W
Stand-by consumption	< 0.3 W

SENSORS

Detection angle	360°
Detection range diagonally	32 m elliptical
Detection range head-on	Ø 16 m
Field of detection	up to 628 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
Constant light control	–
Channel	**C1** Lighting
Function	Switching
Switching capacity	230 V/50 Hz, 16 AX

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	2300 W/10 A (cos phi = 1) 1150 VA/5 A (cos phi = 0,5) 600 W LED	Push button input	✓
		Impulse mode	✓
Switch contact	make contact / non-floating	Switch-off delay time	60 s...30 min (adjustable in steps)

Factory settings

GENERAL

Sensitivity	100 %

Operating mode	fully automatic
Level of brightness/switching threshold	500 lx
Switch-off delay time	5 min

CHANNELS (LIGHTING / HVAC)

Channel	**C1** Lighting

Accessories

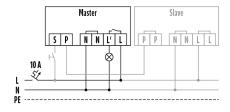| Product designation	Item number	Product description	GTIN
Ceiling-mounted presence detector			
PD-C 360/8 Slave	EP10055379	Slave presence detector for extending the field of detection of a Master presence detector	4015120055379
PD-C 360/24 Slave	EP10055386	Slave presence detector for extending the field 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
PD-C 360/32 Warehouse Slave	EP10425790	Slave presence detector for extending the field of detection of a Master presence detector	4015120425790
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 APC MOUNTING BOX IP20 SM WH	EP10426278	Surface-mounted box IP20 for COMPACT APC DALI-2	4015120426278
Protection			
BASKET GUARD ROUND LARGE	EM10425608	Basket guard for presence and motion detectors and smoke detectors, Ø 180 mm, height 90 mm	4015120425608
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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Dimension drawing

Ø 108 mm · Ø 60 mm · 24 mm · 46 mm

Field of detections

360°

Detection range

⬜ Diagonally (A)	32 m elliptical	
⬛ Frontal (B)	Ø 16 m	

Circuit diagram

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

Detailed product description

- Presence detector with **360° field of detection** for ceiling mounting
- Large **Range of up to 32 m in corridors or passages** in diameter at a recommended installation height of 3 m, suitable for a variety of uses
- 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
- Automatic light control depending on presence and natural light
- Simple programming using remote control with "blue mode" technology or setting elements (potentiometer)
- Integrated toggle for setting with remote control or by adjusting controller - prevents operating errors and provides sabotage protection
- Default settings ensure immediate operability
- Masking of interference sources by reducing sensitivity using DIP switches
- Push button input with toggle function - Room = ON + OFF/hallway = ON
- Flush-mounted device as standard
- Surface mounting or recessed ceiling mounting with accessories
- Large wiring space due to shallow installation depth of power box
- Quick and simple connection with plug-in terminals

- Extension of the field of detection with parallel connection of max. 8 detectors
- Targeted masking out of areas by means of an enclosed lens mask