DATA SHEET

ESYLUX

PD-FLAT 360i/8 LARGE ROUND WHITE

Item number EP10428623

GTIN 4015120428623



5 YEARS MANUFACTURER WARRANTY

Ø 8 m | 360° | ON/OFF | IP20 | 1 CH | IR

Product description

- Design presence detector, approx. range 8 m in Ø
- 1 channel, switching, with zero-cross switching, optimised for LED lights
- Master/slave (parallel wiring)
- Low profile design with plastic design covers: round, white - variably interchangeable

Special Product Features:

- Zero-cross switching
- 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!
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	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 30 mm, Ø 104 mm
Weight	91 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 ~ / 50 Hz
In-rush current	78 A / 5 µs
Power consumption	0.3 W

SENSORS	
Detection angle	360°
Detection range tangential Automated measurement in accordance with IEC 63180/AMD1 / sensNORM 3.0	Ø 8 m
Detection range radial Automated measurement in accordance with IEC 63180/AMD1 / sensNORM 3.0	Ø 4 m
Detection range presence Automated measurement in accordance with IEC 63180/AMD1 / sensNORM 3.0	Ø 5 m
Field of detection	up to 50 m^2
Recommended installation height	2.5 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	-
Number of parallel switchable detectors	10
Slave input	-
Mode	Semi-automatic, Fully automatic
Switching delay from "dark to light"	300 s
Switching delay from "light to dark"	30 s
Constant light control	-

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Channel	**C1** Lighting
Function	Switching
Switching capacity	230 V/50 Hz 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...30 min (adjustable in steps)

Factory settings

GENERAL	
Sensitivity	100 %

CHANNELS (LIGHTING / HVAC)	
Channel	**C1** Lighting

Operating mode	fully automatic
Level of brightness/switching threshold	100 lx
Switch-off delay time	5 min

Accessories

Product designation	Item number	Product description	GTIN
Cover			
FLAT COVER LARGE ROUND WH	EP10428579	Cover for FLAT series, Ø 104 mm, round, white	4015120428579
FLAT COVER LARGE ROUND BK	EP10428098	Cover for FLAT series, Ø 104 mm, round, black	4015120428098
FLAT COVER SQUARE WH	EP00007248	Cover for FLAT series, square, white	4015120007248
FLAT LENS MASK	EP00007392	Spare part lens mask for PD-FLAT WH products	4015120007392
Electrical accessories			
FILTER 230 V	EP10426988	Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers	4015120426988
Mounting			
FLAT MOUNTING SET IP20 FM	EP10426889	Recessed ceiling mounting set for FLAT series includes installation bracket and dust-protected box	4015120426889
COMPACT MOUNTING BOX IP20 SM WH	EP10425370	Surface-mounted box for COMPACT series, IP20, white	4015120425370
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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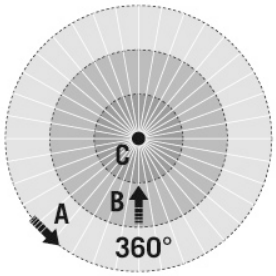
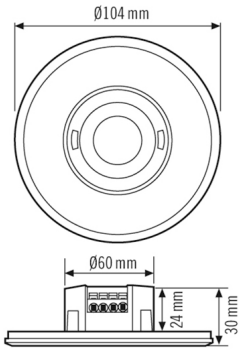
Field of detections



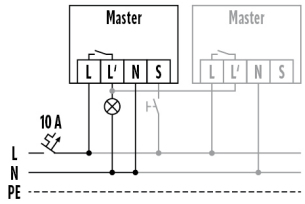
Detection range

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 8 m	Ø 4 m	Ø 5 m
3 m	Ø 8 m	Ø 10 m	Ø 5 m	
5 m		Ø 16 m		

Dimension drawing

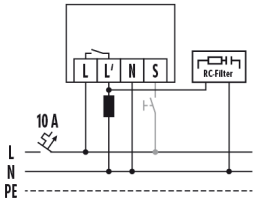


Circuit diagram



Standard operation with optional control via a closing button and parallel wiring of max. 8 devices

Circuit diagram



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

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- Flush mounting and ceiling flush mounting
- Switch input