DATA SHEET

ESYLUX

PD 360i/8

Item number	GTIN
EM10425004	4015120425004

230 V ~	Ø 8 m	360°	c1	c2		Zubehör Accessory
IP20		IR)))	/LUX			

Product description

- 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

Offers special product features like:
- Simple parameterisation, remote control and documentation with ESY-Pen and ESY-App

3 YEARS MANUFACTURER WARRANTY

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	Adjusting controller, IR remote control
Remote controllable	✓
Conformity	CE, EAC, RoHS, SundaHus, WEEE
Warranty	3 years

ATTACHMENT

Installation type	Flush-mounted/Device socket Ø 68 mm
Installation position	Ceiling
Installation dimension	Installation depth: 15 mm, Ø 60 mm
Type of connection	Push terminal
Connectable wire cross section	0.75 – 2.5 mm²

HOUSING

Dimensions	Height/Depth 63 mm, Ø 140 mm
Weight	272 g
Material	UV-stabilised polycarbonate
Protection type	IP20
Protection type with accessory	IP54 with surface-mounted box (order separately)
Permissible ambient temperature	0 °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	800 A / 200 µs
Power consumption	1 W

SENSORS

Detection angle	360°
Detection range diagonally	Ø 8 m
Detection range head-on	Ø 4 m
Detection range presence	Ø 3 m
Field of detection	up to 50 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
Number of HVAC-channels	1
Push button input lighting	1
Push button input HVAC	–
Slave input	✓
Max. number of slave detectors	6
Mode	Semi-automatic, Fully automatic
Switching delay from "dark to light"	30 s
Switching delay from "light to dark"	0 s
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
Switch contact	make contact / non-floating
Push button input	✓
Impulse mode	✓
Switch-off delay time	15 s...30 min (adjustable in steps)

Channel	**C2** HVAC
Function	Switching
Switching capacity	100 W/460 VA
Switch contact	floating, 230 V AC/2 A, 24 V DC/2 A
Impulse mode	✓
Switch-off delay time	300 s...120 min (adjustable in steps)

Factory settings

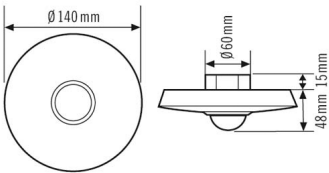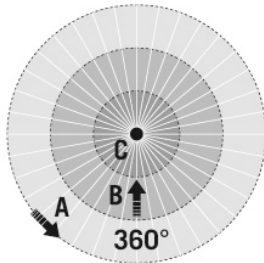| Channel	**C1** Lighting
Operating mode	fully automatic
Level of brightness/switching threshold	400 lx
Switch-off delay time	5 min

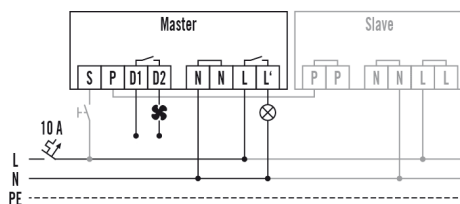| CHANNELS (LIGHTING / HVAC)	
Channel	**C2** HVAC
Level of brightness/switching threshold	400 lx
Switch-off delay time	60 min

Accessories

Product designation	Item number	Product description	GTIN
Ceiling-mounted presence detector			
PD 360/8 Slave	EM10425028	Slave presence detector for extending the field of detection of a Master presence detector with 360° field of detection for ceiling mounting	4015120425028
PD 360/24 Slave	EM10425127	Slave presence detector for extending the field of detection of a Master presence detector with 360° field of detection for ceiling mounting	4015120425127
Cover			
STANDARD COVER SET 8M WH	EM10425455	Cover set for STANDARD series, 8 m	4015120425455
Electrical accessories			
FILTER 230 V	EP10426988	Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers	4015120426988
Mounting			
STANDARD MOUNTING BOX IP54 SM WH	EM10425400	Surface-mounted box for the STANDARD series, IP54, white	4015120425400
Protection			
BASKET GUARD ROUND SMALL	EM10425615	Basket guard for presence and motion detectors and smoke detectors, Ø 165 mm, height 70 mm	4015120425615
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
Mobil-PDi/MDi-universal	EP10433993	Remote control for quick and precise setting of various parameters	4015120433993

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Dimension drawing

Field of detections

Detection range

■	Diagonally (A)	Ø 8 m
■	Frontal (B)	Ø 4 m
■	Presence area (C)	Ø 3 m

Circuit diagram

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

Detailed product description

- Presence detector with **360° field of detection** for ceiling mounting
- **Range of up to 8 m** across for use in small rooms and hallways with very little or no natural lighting
- 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 daylight
- Additional "HVAC" switch contact for controlling heating, ventilation and air conditioning depending on presence
- Can be programmed by remote control, e.g. continuous lighting ON/OFF and automatic storage of the current light value
- Prevention of operating errors through in-built selector switch for remote control/ potentiometer settings
- Flush-mounted device as standard
- Universal surface-mounted box IP 54 with double diaphragm line entrance (accessory)
- Double plug-in terminals for through-wiring
- Modular system consisting of power box and plug-in sensor

- Power box installation/connection - after completion of the painting work the sensor can be simply plugged in
- Large wiring space due to low overall height of the power box
- Default settings ensure immediate operability
- Additional switch input for individual manual lighting control
- Detector can be used as a fully automatic or semi-automatic device
- The field of detection can be extended by connecting a "slave" presence detector
- Concealed setting elements prevent unintentional parameter adjustments
- In-built impulse feature for controlling automatic stairwell lights or control devices, and for use in facility management/PLC