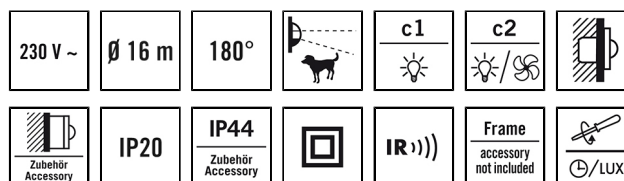


PD 180i/R

Item number **GTIN**
EM10410017 4015120410017



Product description

- Presence detector with **180° field of detection** for wall mounting
- Automatic light control depending on presence and natural light
- 16 A high-performance relay (tungsten pre-contact)

Offers special product features like:

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



Technical data

GENERAL	
Device category	Wall-mounted presence detector
Product information	Please note the Declaration of circuit breaker in the download area of the product!
User interface	Adjusting controller, IR remote control
Remote controllable	✓
Conformity	CE, EAC, RoHS, WEEE
Warranty	3-year

ATTACHMENT	
Installation type	Recessed mounting / device box (Ø 68 mm)
Installation position	Wall
Installation dimension	Installation depth: 34 mm, Ø 60 mm
Type of connection	Push terminal
Connectable wire cross section	1,50 – 2,50 mm ²

HOUSING	
Dimensions	Length 70 mm x Width 70 mm x Height/Depth 29 mm
Weight	92 g
Material	UV-stabilised polycarbonate
Protection type	IP20, IP44 depending on cover (order separately)
Permissible ambient temperature	0 °C...+50 °C
Relative humidity	5 - 93 %, non-condensing
Colour	Opal matt

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	1 W

SENSORS	
Detection angle	180° horizontal, 60° vertical
Detection range diagonally	Ø 16 m
Detection range head-on	Ø 6 m
Detection range presence	Ø 4 m
Field of detection	up to 101 m ²
Recommended installation height	1,1 m
Max. mounting height	2,2 m
Light measurement	mixed light
Level of brightness	5 – 2000 lx

CHANNELS (LIGHTING / HVAC)	
Number of light channels	1
Number of HLK-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

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Switching capacity	230 V/50 Hz, 16 AX 2300 W/10 A (cos phi = 1) 1150 VA/5 A (cos phi = 0,5) 600 W LED	Channel	C2 HVAC
Switch contact	make contact / non-floating	Function	Switching
Push button input	✓	Switching capacity	100 W/460 VA
Impulse feature	✓	Switch contact	floating, 230 V AC/2 A, 24 V DC/2 A
Switch-off delay time	12 s...60 min (adjustable in steps)	Impulse feature	✓
		Switch-off delay time	300 s...120 min (adjustable in steps)

Accessories

Product designation	GTIN
Cover	
COVER IP20 WH	4015120055102
COVER IP20 SWH	4015120055119
COVER IP20 CWH	4015120055126
COVER IP20 AN	4015120055133
COVER IP20 SR	4015120055140
COVER IP44 WH	4015120055157
COVER ELK RS/PLUS IP20 WH	4015120055270
COVER SEL Trend IP20 WH	4015120055287
COVER SEL EXX IP20 WH	4015120055294
COVER BER S1 IP20 PWH	4015120427107
COVER BER S1 IP20 WH	4015120427114
COVER BER MOD2 IP20 PWH	4015120427121
COVER BER MOD2 IP20 WH	4015120427138
COVER BUJ REF IP20 WH	4015120427145
COVER GIR S55 IP20 WH	4015120427169
COVER GIR S55 IP20 CWH	4015120427176
Electrical accessories	
FILTER 230 V	4015120426988
Mounting	
MOUNTING BOX IP44 SM WH	4015120055164
Remote control	
ESY-Pen	4015120425356
REMOTE CONTROL MDi/PDi	4015120425509
Wall-mounted presence detector	
MD/PD 180 Slave	4015120410024

PD 180i/R

Item number **GTIN**
 EM10410017 4015120410017

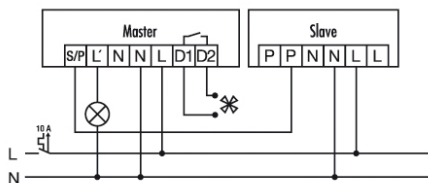
Scale drawing	Field of detections	Detection range	
		<input type="checkbox"/> Diagonally (A)	Ø 16 m
		<input type="checkbox"/> Frontal (B)	Ø 6 m
		<input type="checkbox"/> Presence area (C)	Ø 4 m

Circuit diagram	Circuit diagram

Standard operation

Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

Circuit diagram



Master/slave connection:
 The master device controls connected systems according to the programmed settings.
 The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected.
Caution: max. 6 slave devices per master device.