

DATA SHEET

PD 180i/R

Order description

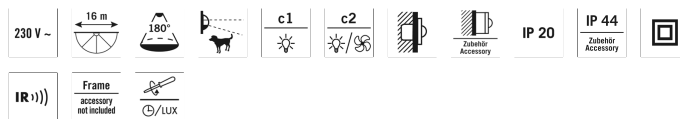
PD 180i/R

Item number

EM10410017

GTIN

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)

Technical data

GENERAL	
Conformity	CE, RoHS, WEEE
warranty	3-year
MOUNTING	
Installation type	Recessed mounting
Installation position	Wall
Installation dimension	Installation length 61 mm x Installation width 61 mm x Installation depth 34 mm, Ø 61 mm
HOUSING	
Dimensions	length 70 mm x width 70 mm x Height/Depth 29 mm
Weight	95 g
Housing material	UV-stabilised polycarbonate
Protection type	IP 20, IP 44 depending on cover (order separately)
Permissible ambient temperature	0 °C...+50 °C
Relative humidity	5 - 93 %, non-condensing
Colour	Opal matt
Terminal	2,5 mm ² / 1,5 mm ²
ELECTRICAL VERSION	
Protection class	II
Nominal voltage	230 - 230 V / 50 Hz
SENSORS	
Power consumption	1 W

Detection angle	180° horizontal, 60° vertical
Detection range diagonally	16 m
Detection range head-on	6 m
Field of detection	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
Number of light channels	1
Number of switching contacts	1
Slave input	yes
Max. number of slave detectors	6
Fully automatic	yes
Semi-automatic	yes
Impulse feature	yes
constant lighting control	false
Switching delay from "dark to light" [s]	30 s
Switching delay from "light to dark" [s]	0 s
CONTROL	
Channel 1	Lighting
Interface	Switching
Contact	make contact/non-floating
Switching capacity channel 1	230 V AC 50 Hz, 16 A relay, 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
In-rush current	800 A / 200 µs
Switch-off delay channel 1	12 s - 60 min
Channel 2	HVAC

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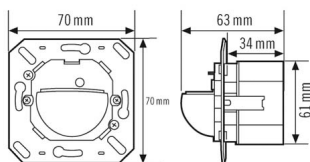
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Output	Switching	
Contact	make contact/floating	
Switching capacity channel 2	230 V AC/2 A, 24 V DC/2 A	

Master/slave function	true
constant lighting control	false
Manual override	yes

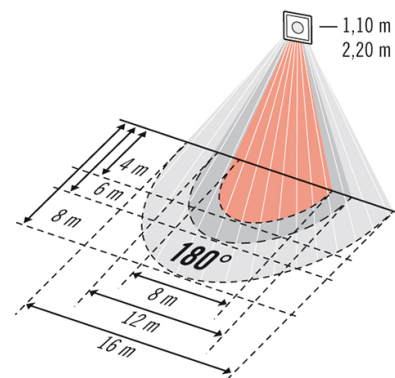
Accessories

Product designation	Item number	GTIN
ESY-Pen	EP10425356	4015120425356
Mobil-PDi/MDi	EM10425509	4015120425509
Mobil-PDi/MDi-universal	EP10433993	4015120433993
Cover IP 20	EM10055102	4015120055102
Cover IP 44	EM10055157	4015120055157
Surface-mounted box IP 20/IP 44	EM10055164	4015120055164
MD/PD 180 Slave	EM10410024	4015120410024
Cover IP 20-SKK	EM10055270	4015120055270
Cover IP 20-SKJ	EM10055287	4015120055287
Cover IP 20-EXX	EM10055294	4015120055294
Cover IP20-BS1	EP10427107	4015120427107
Cover IP20-BM2	EP10427121	4015120427121
Cover IP20-BJSI	EP10427145	4015120427145
Cover IP20-G55	EP10427169	4015120427169
RC filter/snubber	EP10426988	4015120426988

Scale drawing



Field of detection



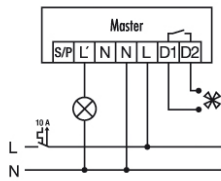
- Operating area
- Head-on to detector
- Passage area / diagonally to detector

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Circuit diagram



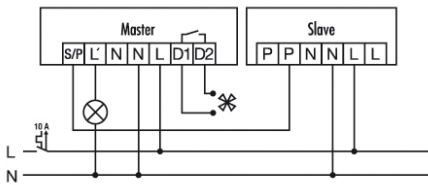
Standard operation

Circuit diagram



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.

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