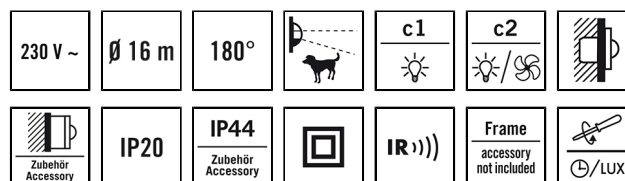


## PD 180i/R

**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 Explanation 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 <sup>2</sup>              |

| 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 - 230 V ~ / 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 <sup>2</sup>      |
| 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 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                              | <b>C1</b> Lighting              |
| Function                             | Switching                       |
| Switching capacity                   | 230 V/50 Hz, 16 AX              |

## PD 180i/R

| Item number | GTIN          |
|-------------|---------------|
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|                       |   |
|-----------------------|---|
|                       | 2300 W/10 A (cos phi = 1)<br>1150 VA/5 A (cos phi = 0,5)<br>600 W LED |
| Switch contact        | make contact / non-floating   |
| Push button input     | ✓   |
| Impulse mode          | ✓   |
| Switch-off delay time | 12 s...60 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

| GENERAL     |       |
|-------------|-------|
| Sensitivity | 100 % |

| CHANNELS (LIGHTING / HVAC) |             |
|----------------------------|-------------|
| Channel                    | C1 Lighting |
| Channel                    | C2 HVAC     |

### Accessories

| Product designation           | Item number | Product description  | GTIN          |
|-------------------------------|-------------|--|---------------|
| <b>Cover</b>                  |             |  |               |
| COVER IP20 WH                 | EM10055102  | Cover for wall detectors from the STANDARD series, IP20, white, similar to RAL 9010  | 4015120055102 |
| COVER IP20 SWH                | EM10055119  | Cover for wall detectors from the STANDARD series, IP20, white, similar to RAL 9016  | 4015120055119 |
| COVER IP20 CWH                | EM10055126  | Cover for wall detectors from the STANDARD series, IP20, white, similar to RAL 1013  | 4015120055126 |
| COVER IP20 AN                 | EM10055133  | Cover for wall detectors from the STANDARD series, IP20, white, similar to RAL 7021  | 4015120055133 |
| COVER IP20 SR                 | EM10055140  | Cover for wall detectors from the STANDARD series, IP20, silver  | 4015120055140 |
| COVER IP44 WH                 | EM10055157  | Cover for wall detectors from the STANDARD series, IP44, white   | 4015120055157 |
| COVER ELK RS/PLUS IP20 WH     | EM10055270  | Cover for wall detector fits with Elko RS/PLUS, IP20, white  | 4015120055270 |
| COVER SEL Trend IP20 WH       | EM10055287  | Cover for wall detector fits with Schneider Electric Trend, IP20, white  | 4015120055287 |
| COVER SEL EXX IP20 WH         | EM10055294  | Cover for wall detector fits with Schneider Electric Exxact, IP20, white   | 4015120055294 |
| COVER BER S1 IP20 PWH         | EP10427107  | Cover for wall detector fits with Berker S.1, IP20, polar white  | 4015120427107 |
| COVER BER S1 IP20 WH          | EP10427114  | Cover for wall detector fits with Berker S.1, IP20, white  | 4015120427114 |
| COVER BER MOD2 IP20 PWH       | EP10427121  | Cover for wall detector fits with Berker module 2, IP20, polar white   | 4015120427121 |
| COVER BER MOD2 IP20 WH        | EP10427138  | Cover for wall detector fits with Berker module 2, IP20, white   | 4015120427138 |
| COVER BUJ REF IP20 WH         | EP10427145  | Cover for wall detector fits with Busch-Jäger Reflex, IP20, white  | 4015120427145 |
| COVER GIR S55 IP20 WH         | EP10427169  | Cover for wall detector fits with Gira Standard 55, IP20, white  | 4015120427169 |
| COVER GIR S55 IP20 CWH        | EP10427176  | Cover for wall detector fits with Gira Standard 55, IP20, cream white  | 4015120427176 |
| <b>Electrical accessories</b> |             |  |               |
| FILTER 230 V                  | EP10426988  | Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers                              | 4015120426988 |
| <b>Mounting</b>               |             |  |               |
| MOUNTING BOX IP44 SM WH       | EM10055164  | Surface-mounted box for wall detectors from the STANDARD series, IP44, white   | 4015120055164 |
| <b>Remote control</b>         |             |  |               |
| 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 |

## PD 180i/R

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 EM10410017      4015120410017

### Accessories

| Product designation                   | Item number | Product description   | GTIN          |
|---------------------------------------|-------------|---|---------------|
| <b>Wall-mounted presence detector</b> |             |   |               |
| MD/PD 180 Slave                       | EM10410024  | Slave detector for extending the field of detection of a Master detector with 180° field of detection for wall mounting | 4015120410024 |

| Dimension drawing | Field of detections | Detection range                |  |
|-------------------|---------------------|--------------------------------|--|
|                   |                     | ■ Diagonally (A)      Ø 16 m   |  |
|                   |                     | ■ Frontal (B)      Ø 6 m       |  |
|                   |                     | ■ 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.

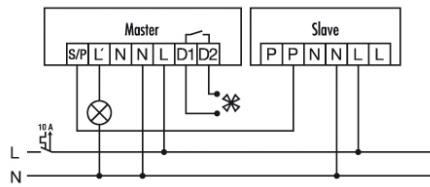
# DATA SHEET

## PD 180i/R

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### Circuit diagram

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**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.