

PD-C 360i/8 FM

Item number

EP10426858

GTIN

4015120426858



Technical data

GENERAL

| | |
|----------------------|--|
| Device category | Ceiling-mounted presence detector |
| Included in delivery | includes lens mask |
| Product information | Please note the Explanation of circuit breaker in the download area of the product! Mounting position: Keep a safe distance of 5 m from radio antennas (e.g. WiFi access points). |
| User interface | Adjusting controller, IR remote control with "blue mode" technology |
| Remote controllable | ✓ |
| Conformity | CE, EAC, RoHS, SundaHus, WEEE |
| Warranty | 5 years |

ATTACHMENT

| | |
|--------------------------------|------------------------------------|
| Installation type | Recessed mounting |
| Installation position | Ceiling |
| Installation dimension | Installation depth: 90 mm, Ø 68 mm |
| Type of connection | Push terminal |
| Connectable wire cross section | 1,5 - 2,5 mm ² |

HOUSING

| | |
|---------------------------------|------------------------------|
| Dimensions | Height/Depth 98 mm, Ø 108 mm |
| Weight | 170 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 |

Product description

- Presence detector with **360° field of detection** for ceiling mounting
- **Range of up to 8 m** in diameter at a recommended installation height of 3 m (maximum height 5 m) for use in small rooms and passageways with natural lighting
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

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 | 0,3 W |

SENSORS

| | |
|---------------------------------|-------------------------|
| Detection angle | 360° |
| Detection range diagonally | Ø 8 m |
| Detection range head-on | Ø 6 m |
| Detection range presence | Ø 4 m |
| Field of detection | up to 50 m ² |
| 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 |
| Push button input lighting | 1 |
| Push button input HVAC | - |
| Slave input | ✓ |
| Max. number of slave detectors | 10 |
| Mode | Semi-automatic, Fully automatic |
| Switching delay from "dark to light" | 300 s |
| Switching delay from "light to dark" | 30 s |
| Constant light control | - |
| Channel | C1 Lighting |

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| | | | |
|--------------------|---|-----------------------|-------------------------------------|
| Function | Switching | Switch contact | make contact / non-floating |
| 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 | Push button input | ✓ |
| | | Impulse mode | ✓ |
| | | Switch-off delay time | 60 s...30 min (adjustable in steps) |

Factory settings

| | | | |
|-----------------------------------|-------------|---|-----------------|
| GENERAL | | Operating mode | fully automatic |
| Sensitivity | 100 % | Level of brightness/switching threshold | 500 lx |
| CHANNELS (LIGHTING / HVAC) | | Switch-off delay time | 5 min |
| Channel | C1 Lighting | | |

Accessories

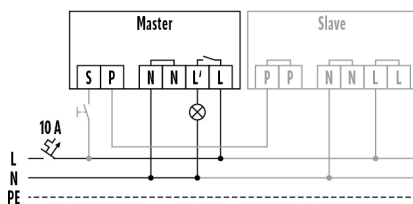
| Product designation | Item number | Product description | GTIN |
|---------------------------------|-------------|--|---------------|
| Cover | | | |
| COMPACT COVER SET 8 BK | EP00007521 | Cover set for COMPACT series, 8 m, consists of cover and design ring, black | 4015120007521 |
| COMPACT COVER SET 8 SR | EP10425936 | Cover set for COMPACT series, 8 m, consists of cover and design ring, stainless steel appearance, similar to RAL 9006 | 4015120425936 |
| Electrical accessories | | | |
| FILTER 230 V | EP10426988 | Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers | 4015120426988 |
| Mounting | | | |
| COMPACT MOUNTING BOX IP20 SM BK | EP10426933 | Surface-mounted box for COMPACT series, IP20, black | 4015120426933 |
| COMPACT MOUNTING BOX IP54 SM BK | EP10426940 | Surface-mounted box for COMPACT series, IP54, black | 4015120426940 |
| COMPACT MOUNTING BOX IP54 SM SR | EP10425912 | Surface-mounted box for COMPACT series, IP54, silver | 4015120425912 |
| COMPACT MOUNTING BOX IP54 SM WH | EP10425905 | Surface-mounted box for COMPACT series, IP54, white | 4015120425905 |
| COMPACT MOUNTING BOX IP20 SM SR | EP10425387 | Surface-mounted box for COMPACT series, IP20, silver | 4015120425387 |
| COMPACT MOUNTING BOX IP20 SM WH | EP10425370 | Surface-mounted box for COMPACT series, IP20, white | 4015120425370 |
| Protection | | | |
| 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 USER | EM10016011 | IR remote control for end users | 4015120016011 |
| REMOTE CONTROL MDi/PDi | EM10425509 | IR remote control for presence detectors and motion detectors | 4015120425509 |

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| Dimension drawing | Field of detections | Detection range | |
|-------------------|---------------------|---|-------|
| | | Diagonally (A) | Ø 8 m |
| | | Frontal (B) | Ø 6 m |
| | | Presence area (C) | Ø 4 m |

Circuit diagram



Standard operation with optional control via a closing button and use of max. ten 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** in diameter at a recommended installation height of 3 m (maximum height 5 m) for use in small rooms and passageways with 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
- Default settings ensure immediate operability
- and automatically controls the light depending on presence and daylight
- Simple programming using remote control with "blue mode" technology or setting elements
- Integrated toggle for setting with remote control or by adjusting controller - prevents operating errors and provides tamper protection
- Masking of interference sources by reducing sensitivity using DIP switches
- Additional switch input with toggle function "room = ON + OFF/hallway = ON"
- Detector can be used as a fully automatic or semi-automatic device
- Easily replaceable/paintable cover and design ring (available in silver as an accessory)
- Field of detection can be extended by connecting slave devices
- Targeted masking out of areas by means of an enclosed lens mask