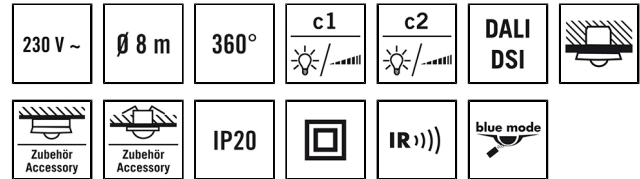


PD-C 360i/8 DUO DALI

Item number **GTIN**
 EP10427442 4015120427442



Product description

- Presence detector with **360° field of detection** for ceiling mounting
- **Range of up to 8 m** in the diameter at a recommended installation height of 3 m
- Automatic light control by DALI or DSI electronic ballasts to a **constant brightness level** depending on presence and natural light (with Dali/DSI output)

Offers special product features like:

- Presence and daylight dependent constant light control
- Simple parameterisation, remote control and documentation with ESY-Pen and ESY-App



Technical data

| GENERAL | |
|---------------------------------|--|
| Device category | Ceiling-mounted presence detector |
| User interface | IR remote control |
| Remote controllable | ✓ |
| Conformity | CE, EAC, RoHS, SundaHus, WEEE |
| Warranty | 5 years |
| ATTACHMENT | |
| Installation type | Recessed mounting / device box (Ø 68 mm) |
| Installation position | Ceiling |
| Installation dimension | Installation depth: 24 mm, Ø 60 mm |
| Type of connection | Push terminal |
| Connectable wire cross section | 1.50 – 2.50 mm ² |
| HOUSING | |
| Dimensions | Height/Depth 62 mm, Ø 108 mm |
| Weight | 127 g |
| Material | UV-stabilised polycarbonate |
| Protection type | recessed-mounted IP20, IP20/IP54 with surface-mounted box (order separately), IP20 as recessed ceiling-mounted version (order installation set separately) |
| Permissible ambient temperature | -25 °C...+50 °C |
| Relative humidity | 5 - 93 %, non-condensing |
| Colour | white, similar to RAL 9010 |
| ELECTRICAL VERSION | |
| Control system | DALI |
| Protection class | II |

| | |
|-------------------|-----------------------|
| Nominal voltage | 230 - 230 V ~ / 50 Hz |
| Output current | 100 mA |
| Power consumption | 0.6 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 – 1000 lx |

CHANNELS (LIGHTING / HVAC)

| | |
|--------------------------------------|---|
| Number of light channels | 2 |
| Number of HVAC-channels | 2 |
| Push button input lighting | 2 |
| Push button input HVAC | – |
| Slave input | ✓ |
| Mode | Semi-automatic, Fully automatic |
| Switching delay from "dark to light" | 300 s |
| Switching delay from "light to dark" | 30 s |
| Constant light control | ✓ |
| Sensitivity configurable | ✓ |
| Channel | C1 Lighting |
| Function | Switching, Regulate, Dimming, Broadcast |
| Switch contact | Bus system, 50 mA, max. 25 driver |

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| | |
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| | |
|--|---|
| Push button input | ✓ |
| Impulse mode | – |
| Switch-off delay time | 60 s...240 min (adjustable in steps) |
| Orientation light | 10 - 50 % luminous efficiency |
| Switch-off delay time, orientation light | 60 s...240 min |
| Channel | C2 Lighting |
| Function | Switching, Regulate, Dimming, Broadcast |
| Switch contact | Bus system, 50 mA, max. 25 driver |
| Push button input | ✓ |
| Switch-off delay time | 60 s...240 min (adjustable in steps) |
| Orientation light | 10 - 50 % luminous efficiency |
| Switch-off delay time, orientation light | 60 s...240 min |
| Channel | C3 with accessory (ACTUATOR FULL AUTO C3 DALI) |

| | |
|-----------------------|---|
| Function | Switching |
| Switching capacity | 10 A / 12 V DC |
| Switch contact | make contact / floating |
| Push button input | ✓ |
| Switch-off delay time | 60 s...120 min (adjustable in steps) |
| Channel | C4 with accessory (ACTUATOR SEMI AUTO C4 DALI) |
| Function | Switching |
| Switching capacity | 10 A / 12 V DC |
| Switch contact | make contact / floating |
| Push button input | ✓ |
| Switch-off delay time | 60 s...120 min (adjustable in steps) |

Factory settings

| | |
|--|--------|
| GENERAL | |
| Sensitivity | 100 % |
| Afterglow luminous efficiency | 10 % |
| Afterglow duration | 1 min |
| Orientation light ON | – |
| Orientation light, depending on brightness | ✓ |
| Switching threshold for orientation light | 500 lx |
| Deviation (%) | 0 % |
| Luminous efficiency switch-on value | 10 % |

| | |
|--|--------------------|
| Operating mode | fully automatic |
| Level of brightness/switching threshold | 500 lx |
| Switch-off delay time | 5 min |
| Luminous efficiency of orientation light | 10 % |
| Duration of switch-off warning | 300 s |
| Channel | C2 Lighting |
| Operating mode | Semi-automatic |
| Level of brightness/switching threshold | 500 lx |
| Switch-off delay time | 5 min |
| Luminous efficiency of orientation light | 10 % |
| Duration of switch-off warning | 300 s |

CHANNELS (LIGHTING / HVAC)

| | |
|---------|--------------------|
| Channel | C1 Lighting |
|---------|--------------------|

Accessories

| Product designation | Item number | Product description | GTIN |
|--|-------------|--|---------------|
| Ceiling-mounted presence detector | | | |
| PD-C 360/8 Slave | EP10055379 | Slave presence detector for extending the field of detection of a Master presence detector | 4015120055379 |
| PD-C 360/24 Slave | EP10055386 | Slave presence detector for extending the field of detection of a Master presence detector | 4015120055386 |
| PD-C 360/32 Slave | EP10427770 | Slave presence detector for extending the field of detection of a Master presence detector | 4015120427770 |
| Cover | | | |
| 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 |
| COMPACT COVER SET 8 BK | EP00007521 | Cover set for COMPACT series, 8 m, consists of cover and design ring, black | 4015120007521 |
| Electrical accessories | | | |
| ACTUATOR FULL AUTO C3 DALI | EP10427473 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (Full automation) | 4015120427473 |

PD-C 360i/8 DUO DALI

| Item number | GTIN |
|-------------|---------------|
| EP10427442 | 4015120427442 |

Accessories

| Product designation | Item number | Product description | GTIN |
|----------------------------|-------------|---|---------------|
| ACTUATOR SEMI AUTO C4 DALI | EP10427480 | Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (Semi-automatic) | 4015120427480 |

Mounting

| | | | |
|---------------------------------|------------|---|---------------|
| COMPACT MOUNTING BOX IP20 SM WH | EP10425370 | Surface-mounted box for COMPACT series, IP20, white | 4015120425370 |
| COMPACT MOUNTING BOX IP20 SM SR | EP10425387 | Surface-mounted box for COMPACT series, IP20, silver | 4015120425387 |
| COMPACT MOUNTING BOX IP54 SM WH | EP10425905 | Surface-mounted box for COMPACT series, IP54, white | 4015120425905 |
| COMPACT MOUNTING BOX IP54 SM SR | EP10425912 | Surface-mounted box for COMPACT series, IP54, silver | 4015120425912 |
| MOUNTING SET IP20 FM 62 WH | EP10425929 | Recessed ceiling mounting set includes installation bracket and dust-protected box, 62 mm | 4015120425929 |
| COMPACT MOUNTING BOX IP54 SM BK | EP10426940 | Surface-mounted box for COMPACT series, IP54, black | 4015120426940 |
| COMPACT MOUNTING BOX IP20 SM BK | EP10426933 | Surface-mounted box for COMPACT series, IP20, black | 4015120426933 |

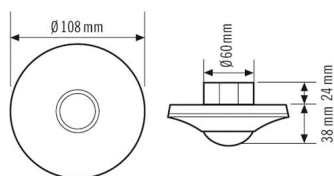
Protection

| | | | |
|--------------------------|------------|---|---------------|
| BASKET GUARD ROUND LARGE | EM10425608 | Basket guard for presence and motion detectors and smoke detectors, Ø 180 mm, height 90 mm, | 4015120425608 |
| BASKET GUARD ROUND SMALL | EM10425615 | Basket guard for presence and motion detectors and smoke detectors, Ø 165 mm, height 70 mm, | 4015120425615 |

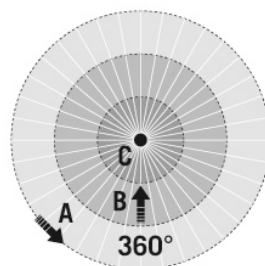
Remote control

| | | | |
|-------------------------|------------|--|---------------|
| 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 PDi DALI | EP10425899 | IR remote control for DALI presence detectors and motion detectors | 4015120425899 |
| REMOTE CONTROL PDi/USER | EM10425547 | IR remote control for end users of presence detectors | 4015120425547 |

Dimension drawing



Field of detections



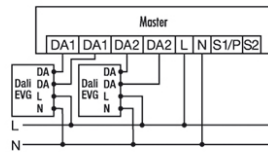
Detection range

| | |
|-------------------|-------|
| Diagonally (A) | Ø 8 m |
| Frontal (B) | Ø 6 m |
| Presence area (C) | Ø 4 m |

PD-C 360i/8 DUO DALI

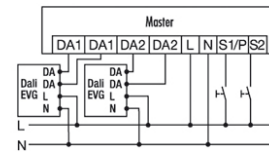
Item number **GTIN**
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Circuit diagram



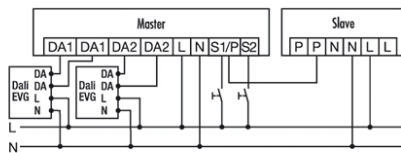
Standard operation

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: a maximum of 10 slave devices may be connected to one master device.