B.E.G. LUXOMAT®




# PD2N-M-DACO-PRO DALI-2 Set 93351-93772

Occupancy detector with integrated DALI application controller for energy-efficient lighting control

DALI-2 certified product

Integrated DALI power supply and 4 push-button inputs

## Order data

| Designation | Colour | Art.No |
|---|---|---|
| PD2N-M-DACO-PRO DALI-2 | white | 93351 |
| Cover ring PD2N FC | traffic white | 93772 |

## Areas of application

- small offices
- open-plan offices

## Technical data

| | |
|---|---|
| Voltage: | 230 V AC ±10% 50 Hz |
| Dimensions: | Ø 84 x 85 mm |
| Power consumption: | approx. 2 W |
| Slave devices: | up to 8 |
| Detection area: | horizontal 360° (Ceiling mounting) |
| Range: | max. Ø 10 m across<br>max. Ø 6 m towards<br>max. Ø 4 m seated |
| Monitored area (tangential movement): | 78 m² / 2.5 m mounting height |
| Mounting height min./max./recommended: | 2 m / 5 m / 2.5 m |
| Degree / class of protection: | IP20 / Class II |
| Impact strength: | IK05 |
| Ambient temperature: | -25 °C to +50 °C |
| Housing: | polycarbonate, UV-resistant |
| Material color: | **traffic white mat, similar to RAL9016 (93772)** |
| **Channel 1 (lighting control)** | |
| DALI output: | 80 mA (guaranteed), 125 mA (max.), shut down mechanism |
| Supported control gear: | DT5, DT6, DT7, DT8-Tc (HCL only possible with DT8-Tc, 2700 - 6500 K) |
| Supported control devices: | B.E.G. BMS (motion detection, measured light output) |
| Follow-up time: | 1 min – 150 min |
| Orientation light: | 5 – 100 % / OFF / 1 min – 255 min / ∞ |
| Brightness set value: | 10 – 2500 Lux |
| Light measuring: | Mixed light measuring |

## Product information

Set : PD2N-M-DACO-PRO DALI-2 + Cover ring PD2N FC traffic white mat, similar to RAL9016

Occupancy detector with integrated DALI application controller for energy-efficient lighting control

DALI-2 certified product

Integrated DALI power supply and 4 push-button inputs

Adjustable communication mode "Broadcast" (1 light zone, without addressing) or "Multicast" (several light zones, HVAC, with addressing)

Up to 8 lighting groups can be created, with up to 4 profiles and 2 scenes possible per group

Manual switching or dimming via conventional pushbuttons

Quick commissioning and maintenance processes via Smartphone/Tablet App (Android, iOS) - Bluetooth required

Expandable with up to 8 B.E.G. BMS multi-sensors

Support for DALI-2 push buttons

Semi-automatic, full automatic, presence-independent or light-independent mode adjustable

Adjustable regulation dynamics (minimum and maximum values)

**Over-the-air (OTA) firmware update:** the firmware can be conveniently updated remotely without the need for cables

Adjustable speed and delay of the regulation

Mixed light measurement with internal and external light sensor

DALI output power can be increased with accessories

Integrated daylight harvesting circuit (or switch output)

Adjustable switch-on value

Last value - Reminder function for switch-on value

Adjustable brightness set value and reflection factor

Indication of the current light sensor value in the B.E.G. One App

Self-check and display of device errors in the B.E.G. One App

Status LEDs can be activated / deactivated

PIN code

Corridor function - Deactivates the possibility to switch off the light via the push-button

**Partition wall function:** In order to be able to respond to changes in room geometry, B.E.G. BMS detectors can be used

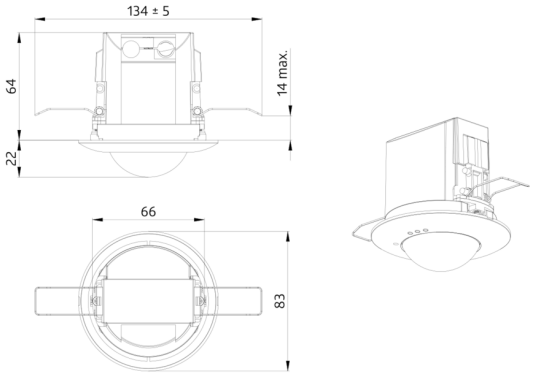
to flexibly adjust the lighting groups of two rooms

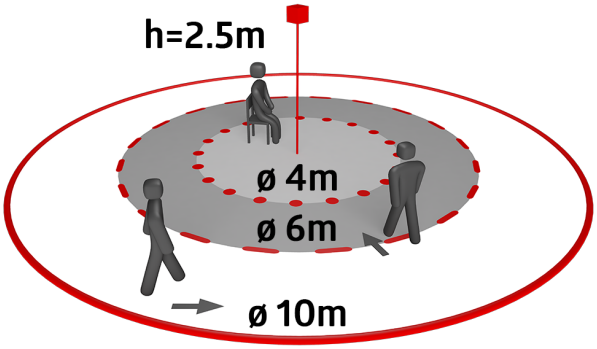
Number of DALI participants can be determined quickly and reliably via the B.E.G. Online DALI Line Planner

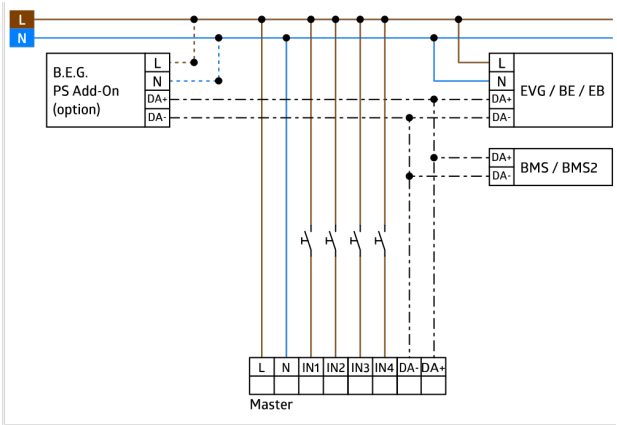
Factory setting 10 min follow-up time and 500 lux brightness set value

Including pre-assembled spring clamp with strain relief and contact protection cap for recessed ceiling mounting

Accessory for surface mounting available


134 ± 5
64
14 max.
22
66
83


h=2.5m
ø 4m
ø 6m
ø 10m


L
N
B.E.G.
PS Add-On
(option)
DA+
DA-
EVG / BE / EB
BMS / BMS2
IN1
IN2
IN3
IN4
Master

## Set items

To receive the bundle according to the technical specification, please order the items listed.




**PD2N-M-DACO-PRO DALI-2**
Art.No: 93351

Voltage: 230 V AC ±10% 50 Hz
Dimensions: Ø 84 x 85 mm
Power consumption: approx. 2 W



**Cover ring PD2N FC**
Art.No: 93772

Dimensions: Ø 82 x 13 mm
Impact strength: IK05
Housing: polycarbonate, UV-resistant