B.E.G. LUXOMAT®




# PD4N-M-DACO-PRO DALI-2 Set 93353-93741-92199

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 |
|---|---|---|
| PD4N-M-DACO-PRO DALI-2 | white | 93353 |
| Corridor lens PD4N type A, Cover ring | anthracite | 93741 |
| Wire basket BSK (Ø 200 x 90 mm) | white | 92199 |

## Areas of application

- small offices
- open-plan offices

## Technical data

| | |
|---|---|
| Voltage: | 230 V AC ±10% 50 Hz |
| Dimensions: | **Ø 200 x 90 mm (92199)** |
| Power consumption: | approx. 2 W |
| Slave devices: | up to 8 |
| Detection area: | **horizontal 360° (Ceiling mounting) (93741)** |
| Range: | **max. Ø 40 m across max. Ø 20 m towards (93741)** |
| Monitored area (tangential movement): | **250 m² / 2.5 m mounting height (93741)** |
| Mounting height min./max./recommended: | **2.4 m / 2.6 m / 2.5 m (93741)** |
| Degree / class of protection: | IP20 / Class II |
| Impact strength: | **IK09 (92199)** |
| Ambient temperature: | -25 °C to +50 °C |
| Housing: | **polycarbonate, UV-resistant + coated steel basket (92199)** |
| Material color: | **anthracite mat, similar to RAL7016 (93741)** |
| **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 : PD4N-M-DACO-PRO DALI-2 + Corridor lens PD4N type A, Cover ring anthracite mat, similar to RAL7016 + Wire basket BSK (Ø 200 x 90 mm) white

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

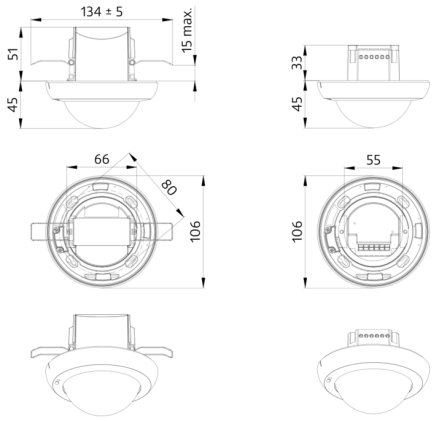
changes in room geometry, B.E.G. BMS detectors can be used to flexibly adjust the lighting groups of two rooms

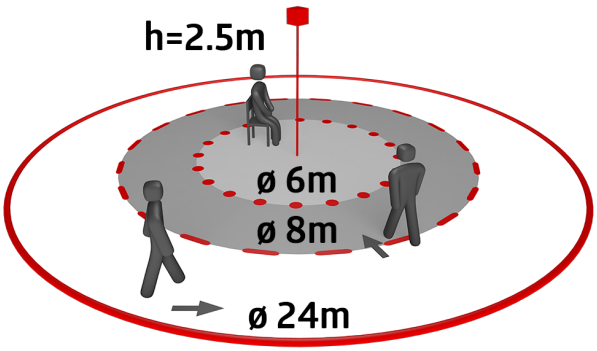
Number of DALI participants can be determined quickly and reliably via the B.E.G. Online DALI Line Planner

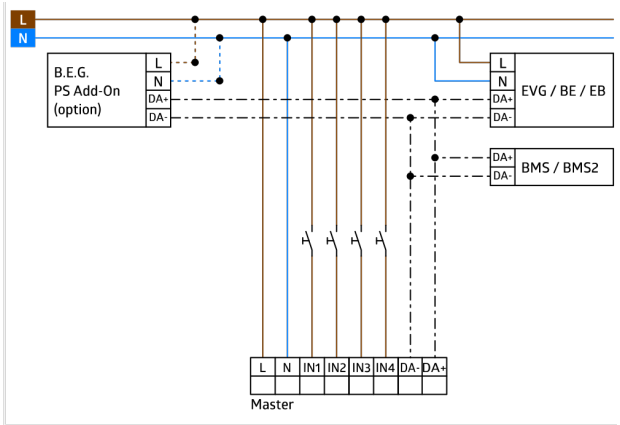
Factory setting 10 min follow-up time and 500 lux brightness set value

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

Accessory for surface mounting available


134 ± 5
15 max.
51
45
33
45
66
80
106
55
106


h=2.5m
ø 6m
ø 8m
ø 24m


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

## Set items

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



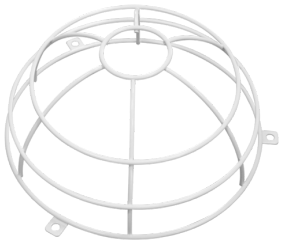
**PD4N-M-DACO-PRO DALI-2**
Art.No: 93353

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



**Corridor lens PD4N type A, Cover ring**
Art.No: 93741

Detection area: horizontal 360° (Ceiling mounting)
Range: max. Ø 40 m across
max. Ø 20 m towards
Monitored area (tangential movement): 250 m² / 2.5 m mounting height



**Wire basket BSK (Ø 200 x 90 mm)**
Art.No: 92199

Dimensions: Ø 200 x 90 mm
Impact strength: IK09
Housing: coated steel basket