

**B.E.G.****LUXOMAT®**

## PD4N-M-DACO-PRO DALI-2 Set 93353-93732-92199

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

### Areas of application

- small offices
- open-plan offices

### Order data

| Designation                     | Colour        | Art.No |
|---------------------------------|---------------|--------|
| PD4N-M-DACO-PRO DALI-2          | white         | 93353  |
| lens PD4N, Cover ring           | traffic white | 93732  |
| Wire basket BSK (Ø 200 x 90 mm) | white         | 92199  |

## Technical data

|                                           |                                                                                                                      |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Voltage:                                  | 230 V AC ±10%<br>50 Hz                                                                                               |
| Dimensions:                               | <b>Ø 200 x 90 mm<br/>(92199)</b>                                                                                     |
| Power consumption:                        | approx. 2 W                                                                                                          |
| Slave devices:                            | up to 8                                                                                                              |
| Detection area:                           | horizontal 360°<br>(Ceiling<br>mounting)<br>max. Ø 24 m<br>across<br>max. Ø 8 m<br>towards<br>max. Ø 6.4 m<br>seated |
| Range:                                    |                                                                                                                      |
| Monitored area<br>(tangential movement):  | 450 m² / 2.5 m<br>mounting height                                                                                    |
| Mounting height<br>min./max./recommended: | 2 m / 10 m / 2.5<br>m                                                                                                |
| Degree / class of<br>protection:          | IP20 / Class II                                                                                                      |
| Impact strength:                          | <b>IK09 (92199)</b>                                                                                                  |
| Ambient temperature:                      | -25 °C to +50 °C                                                                                                     |
| Housing:                                  | <b>polycarbonate,<br/>UV-resistant +<br/>coated steel<br/>basket (92199)</b>                                         |
| Material color:                           | <b>traffic white<br/>mat, similar to<br/>RAL9016<br/>(93732)</b>                                                     |

### Channel 1 (lighting control)

|                               |                                                                                  |
|-------------------------------|----------------------------------------------------------------------------------|
| DALI output:                  | 80 mA<br>(guaranteed),<br>125 mA (max.),<br>shut down<br>mechanism               |
| Supported control gear:       | DT5, DT6, DT7,<br>DT8-Tc (HCL<br>only possible<br>with DT8-Tc,<br>2700 - 6500 K) |
| Supported control<br>devices: | B.E.G. BMS<br>(motion<br>detection,<br>measured light<br>output)                 |
| Follow-up time:               | 1 min - 150 min                                                                  |
| Orientation light:            | 5 - 100 % / OFF /<br>1 min - 255 min<br>/ ∞                                      |
| Brightness set value:         | 10 - 2500 Lux                                                                    |
| Light measuring:              | Mixed light<br>measuring                                                         |

## Product information

Set : PD4N-M-DACO-PRO DALI-2 + lens PD4N, Cover ring traffic white mat, similar to RAL9016 + 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



## 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  $\pm 10\%$  50 Hz

Dimensions:  $\varnothing$  84 x 85 mm

Power consumption: approx. 2 W



### **lens PD4N, Cover ring**

Art.No: 93732

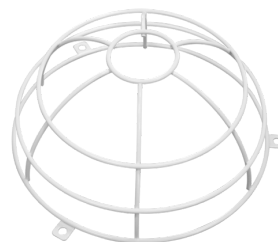
Detection area: horizontal 360° (Ceiling mounting)

Range: max.  $\varnothing$  24 m across

max.  $\varnothing$  8 m towards

max.  $\varnothing$  6.4 m seated

Monitored area (tangential movement): 450 m<sup>2</sup> / 2.5 m mounting height



### **Wire basket BSK ( $\varnothing$ 200 x 90 mm)**

Art.No: 92199

Dimensions:  $\varnothing$  200 x 90 mm

Impact strength: IK09

Housing: coated steel basket