

**B.E.G.****LUXOMAT®**

## PD2N-M-DACO-PRO DALI-2 Set 93351-93761-92199

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 |
|---------------------------------|------------|--------|
| PD2N-M-DACO-PRO DALI-2          | white      | 93351  |
| Cover ring PD2N FM              | anthracite | 93761  |
| Wire basket BSK (Ø 200 x 90 mm) | white      | 92199  |

### Areas of application

- small offices
- open-plan offices

## Technical data

|                                           |                                                                                                                    |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Voltage:                                  | 230 V AC $\pm 10\%$<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 10 m<br>across<br>max. Ø 6 m<br>towards<br>max. Ø 4 m<br>seated |
| Range:                                    |                                                                                                                    |
| Monitored area<br>(tangential movement):  | 78 m² / 2.5 m<br>mounting height                                                                                   |
| Mounting height<br>min./max./recommended: | 2 m / 5 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>anthracite<br/>mat, similar to<br/>RAL7016<br/>(93761)</b>                                                      |

### Channel 1 (lighting control)

|                               |                                                                                  |
|-------------------------------|----------------------------------------------------------------------------------|
| DALI output:                  | 100 mA<br>(guaranteed),<br>120 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>/ $\infty$                               |
| Brightness set value:         | 10 - 2500 Lux                                                                    |
| Light measuring:              | Mixed light<br>measuring                                                         |

## Product information

Set : PD2N-M-DACO-PRO DALI-2 + Cover ring PD2N  
FM 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

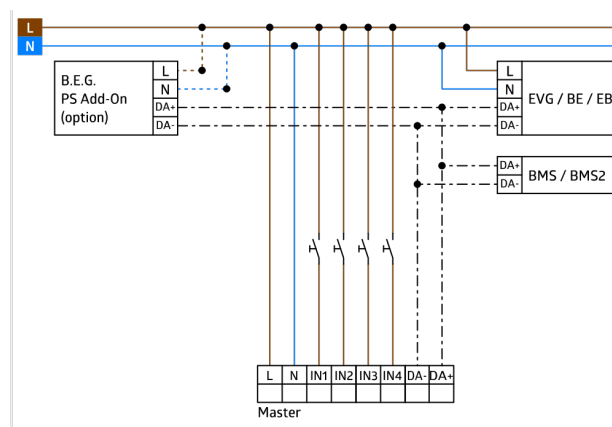
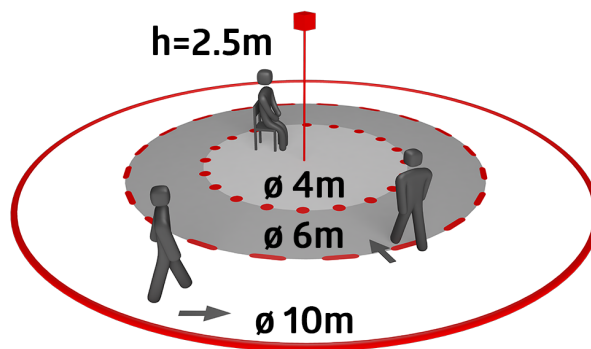
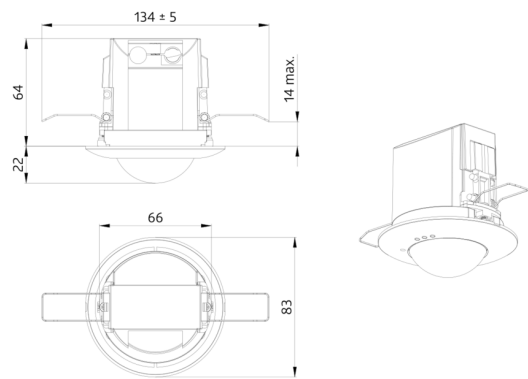
changes in room geometry, B.E.G. BMS detectors can be used to flexibly adjust the lighting groups of two rooms

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



## Set items

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



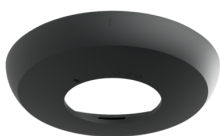
### **PD2N-M-DACO-PRO DALI-2**

Art.No: 93351

Voltage: 230 V AC  $\pm 10\%$  50 Hz

Dimensions:  $\varnothing 84 \times 85$  mm

Power consumption: approx. 2 W



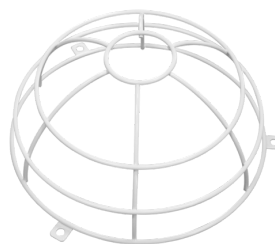
### **Cover ring PD2N FM**

Art.No: 93761

Dimensions:  $\varnothing 106 \times 20$  mm

Impact strength: IK05

Housing: polycarbonate, UV-resistant



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

Art.No: 92199

Dimensions:  $\varnothing 200 \times 90$  mm

Impact strength: IK09

Housing: coated steel basket