

**B.E.G.****LUXOMAT®**

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

93351 EAN: 4007529933518

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 |
|------------------------|--------|--------|
| PD2N-M-DACO-PRO DALI-2 | white  | 93351  |

### Accessories

| Designation                       | Colour        | Art.No |
|-----------------------------------|---------------|--------|
| IR-PD-GROUP                       | -             | 93113  |
| SM socle mounting set IP54 PD2N H | white         | 93454  |
| SM socle mounting set IP54 PD2N H | black         | 93783  |
| SM socle mounting set IP54 PD2N H | traffic white | 93782  |
| SM socle mounting set IP54 PD2N H | anthracite    | 93781  |
| Cover ring PD2N FC                | black         | 93773  |
| Cover ring PD2N FC                | traffic white | 93772  |
| Cover ring PD2N FC                | anthracite    | 93771  |
| Cover ring PD2N FM                | black         | 93763  |
| Cover ring PD2N FM                | traffic white | 93762  |
| Cover ring PD2N FM                | anthracite    | 93761  |
| Cover ring PD2N FM                | white         | 93760  |

|                                  |               |       |
|----------------------------------|---------------|-------|
| Wire basket BSK (Ø 200 x 90 mm)  | white         | 92199 |
| Wall holder PD2N/4N Typ A        | traffic white | 93702 |
| Wall holder PD2N/4N Typ A        | anthracite    | 93701 |
| Wall holder PD2N/4N Typ A        | white         | 93700 |
| Wall holder PD2N/4N Typ A        | black         | 93703 |
| Wall holder PD2N/4N Typ A        | white         | 93164 |
| Blinds PD2N/PD3N                 |               | 37367 |
| Pendulum mounting set PD2/3/4 SM | jet black     | 93193 |
| Pendulum mounting set PD2/3/4 SM | white         | 93179 |
| Adapter ring PD2N FM             |               | 93089 |

## Technical data

|                                           |                                                                   |
|-------------------------------------------|-------------------------------------------------------------------|
| Voltage:                                  | 230 V AC $\pm$ 10%<br>50 Hz                                       |
| Dimensions:                               | Ø 84 x 85 mm                                                      |
| 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 |
| Range:                                    | max. Ø 6 m<br>towards<br>max. Ø 4 m<br>seated                     |
| Monitored area (tangential<br>movement):  | 78 m <sup>2</sup> / 2.5 m<br>mounting<br>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:                          | IK05                                                              |
| Ambient temperature:                      | -25 °C to +50<br>°C                                               |
| Housing:                                  | polycarbonate,<br>UV-resistant                                    |
| Material color:                           | white mat,<br>similar to<br>RAL9010                               |

### 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 devices: | B.E.G. BMS<br>(motion<br>detection,<br>measured light<br>output)                 |
| Follow-up time:            | 1 min - 150 min<br>5 - 100 % / OFF                                               |
| Orientation light:         | / 1 min - 255<br>min / $\infty$                                                  |
| Brightness set value:      | 10 - 2500 Lux                                                                    |
| Light measuring:           | Mixed light<br>measuring                                                         |

## Product information

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

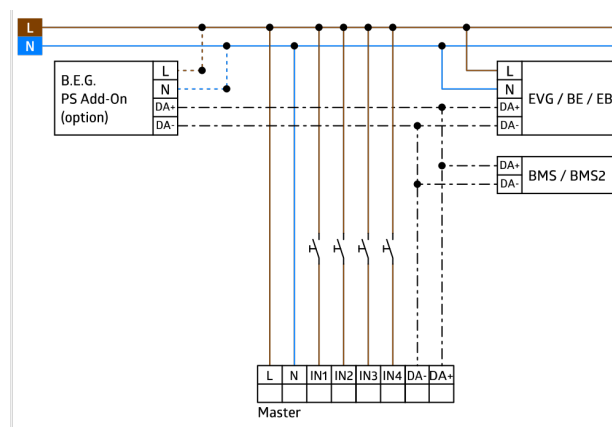
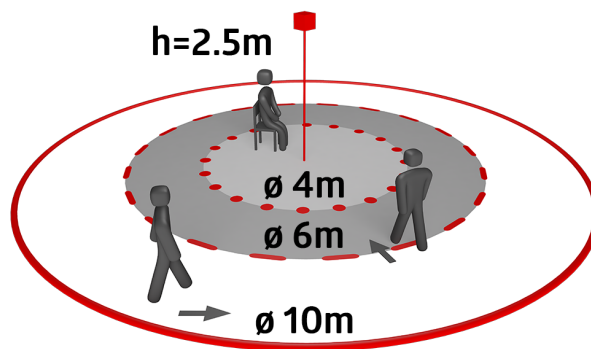
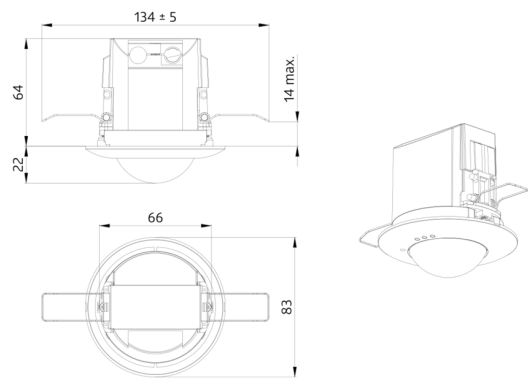
Factory setting 10 min follow-up time and 500 lux brightness set value

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

Accessory for surface mounting available

**Application examples:**

small offices, open-plan offices



## Accessories



### IR-PD-GROUP

Art.No: 93113

Battery: 3.0 V Lithium CR2032  
(inclusive)

Dimensions: 80 x 60 x 8 mm

Material color: -



### SM socle mounting set IP54 PD2N H

Art.No: 93454

Dimensions: Ø 110 x 65 mm

Degree / class of protection: IP54

Material color: white, similar to RAL9010



### SM socle mounting set IP54 PD2N H

Art.No: 93783

Dimensions: Ø 110 x 65 mm

Degree / class of protection: IP54

Material color: black, similar to RAL9005



### SM socle mounting set IP54 PD2N H

Art.No: 93782

Dimensions: Ø 110 x 65 mm

Degree / class of protection: IP54

Material color: traffic white, similar to RAL9016



### SM socle mounting set IP54 PD2N H

Art.No: 93781

Dimensions: Ø 110 x 65 mm

Degree / class of protection: IP54

Material color: anthracite, similar to RAL7016



### Cover ring PD2N FC

Art.No: 93773

Dimensions: Ø 82 x 13 mm

Impact strength: IK05

Housing: polycarbonate, UV-resistant



### Cover ring PD2N FC

Art.No: 93772

Dimensions: Ø 82 x 13 mm

Impact strength: IK05

Housing: polycarbonate, UV-resistant



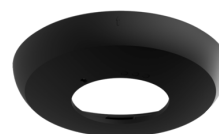
### Cover ring PD2N FC

Art.No: 93771

Dimensions: Ø 82 x 13 mm

Impact strength: IK05

Housing: polycarbonate, UV-resistant



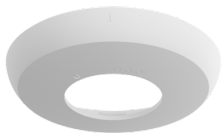
### Cover ring PD2N FM

Art.No: 93763

Dimensions: Ø 106 x 20 mm

Impact strength: IK05

Housing: polycarbonate, UV-resistant



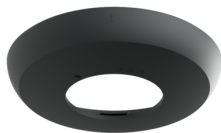
#### **Cover ring PD2N FM**

Art.No: 93762

Dimensions: Ø 106 x 20 mm

Impact strength: IK05

Housing: polycarbonate, UV-resistant



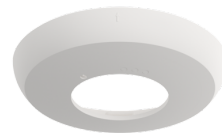
#### **Cover ring PD2N FM**

Art.No: 93761

Dimensions: Ø 106 x 20 mm

Impact strength: IK05

Housing: polycarbonate, UV-resistant



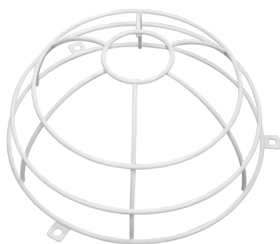
#### **Cover ring PD2N FM**

Art.No: 93760

Dimensions: Ø 106 x 20 mm

Impact strength: IK05

Housing: polycarbonate, UV-resistant



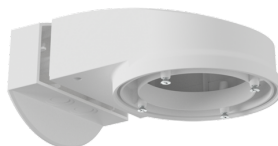
#### **Wire basket BSK (Ø 200 x 90 mm)**

Art.No: 92199

Dimensions: Ø 200 x 90 mm

Impact strength: IK09

Housing: coated steel basket



#### **Wall holder PD2N/4N Typ A**

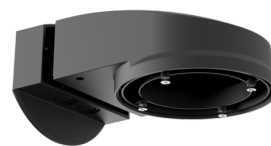
Art.No: 93702

Dimensions: 133 x 106 x 66 mm

Degree / class of protection: IP54 /

Class II

Housing: polycarbonate, UV-resistant



#### **Wall holder PD2N/4N Typ A**

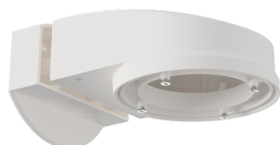
Art.No: 93701

Dimensions: 133 x 106 x 66 mm

Degree / class of protection: IP54 /

Class II

Housing: polycarbonate, UV-resistant



#### **Wall holder PD2N/4N Typ A**

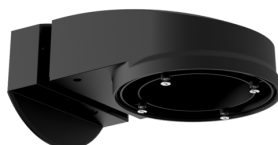
Art.No: 93700

Dimensions: 133 x 106 x 66 mm

Degree / class of protection: IP54 / Class

II

Housing: polycarbonate, UV-resistant



#### **Wall holder PD2N/4N Typ A**

Art.No: 93703

Dimensions: 133 x 106 x 66 mm

Degree / class of protection: IP54 /

Class II

Housing: polycarbonate, UV-resistant



#### **Wall holder PD2N/4N Typ A**

Art.No: 93164

Dimensions: 133 x 106 x 66 mm

Degree / class of protection: IP54 /

Housing: polycarbonate, UV-resistant



### **Blinds PD2N/PD3N**

Art.No: 37367

Housing: ABS



### **Pendulum mounting set PD2/3/4 SM**

Art.No: 93193

Dimensions: 1 : Ø 113 x 79 mm, 2 : Ø 113 x 34 mm

Housing: polycarbonate, UV-resistant

Material color: jet black, similar to RAL9005



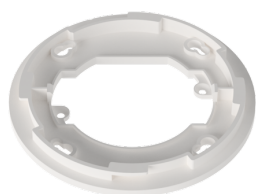
### **Pendulum mounting set PD2/3/4 SM**

Art.No: 93179

Dimensions: 1 : Ø 113 x 79 mm, 2 : Ø 113 x 34 mm

Housing: polycarbonate, UV-resistant

Material color: white, similar to RAL9010



### **Adapter ring PD2N FM**

Art.No: 93089

Dimensions: Ø 101 x 10 mm

Housing: polycarbonate, UV-resistant

Material color: white mat, similar to RAL9010