

**B.E.G.****LUXOMAT®**

## PD4N-M-DACO-PRO DALI-2 Set 93353-93788-92199

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  |
| SM socle mounting set IP54 PD4N H | black  | 93788  |
| 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 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 m <sup>2</sup> / 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:          | <b>IP54 (93788)</b>                                                                                                        |
| 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)<br/>black, similar<br/>to RAL9005<br/>(93788)</b> |
| Material color:                           |                                                                                                                            |

### Channel 1 (lighting control)

|                               |                                                                                                                                                        |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| DALI output:                  | 80 mA<br>(guaranteed),<br>125 mA (max.),<br>Shut-down<br>mechanism<br>DT5, DT6, DT7,<br>DT8-Tc (HCL<br>only possible<br>with DT8-Tc,<br>2700 - 6500 K) |
| Supported control gear:       | B.E.G. BMS<br>(motion<br>detection,<br>measured light<br>output)                                                                                       |
| Supported control<br>devices: |                                                                                                                                                        |
| 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 + SM socle  
mounting set IP54 PD4N H black, similar to RAL9005  
+ 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.



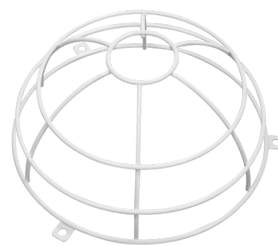
**PD4N-M-DACO-PRO DALI-2**  
Art.No: 93353

Voltage: 230 V AC  $\pm 10\%$  50 Hz  
Dimensions:  $\varnothing 84 \times 85$  mm  
Power consumption: approx. 2 W



**SM socle mounting set IP54 PD4N H**  
Art.No: 93788

Dimensions:  $\varnothing 110 \times 45$  mm  
Degree / class of protection: IP54  
Material color: black, similar to RAL9005



**Wire basket BSK ( $\varnothing 200 \times 90$  mm)**  
Art.No: 92199

Dimensions:  $\varnothing 200 \times 90$  mm  
Impact strength: IK09  
Housing: coated steel basket