

**B.E.G.****LUXOMAT®**

## PD4N-M-DACO-PRO DALI-2 Set 93353-93787

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  |
| SM socle mounting set IP54 PD4N H | traffic white | 93787  |

## Technical data

|                                        |                                                                                                          |
|----------------------------------------|----------------------------------------------------------------------------------------------------------|
| Voltage:                               | 230 V AC $\pm 10\%$<br>50 Hz                                                                             |
| Dimensions:                            | <b>Ø 84 x 85 mm<br/>+ Ø 110 x 45 mm (93787)</b>                                                          |
| Power consumption:                     | approx. 2 W                                                                                              |
| Slave devices:                         | up to 8                                                                                                  |
| Detection area:                        | horizontal 360°<br>(Ceiling mounting)<br>max. Ø 24 m across<br>max. Ø 8 m towards<br>max. Ø 6.4 m seated |
| Range:                                 | 450 m <sup>2</sup> / 2.5 m mounting height                                                               |
| Monitored area (tangential movement):  | 2 m / 5 m / 2.5 m                                                                                        |
| Mounting height min./max./recommended: |                                                                                                          |
| Degree / class of protection:          | <b>IP54 (93787)</b>                                                                                      |
| Impact strength:                       | IK05                                                                                                     |
| Ambient temperature:                   | -25 °C to +50 °C                                                                                         |
| Housing:                               | polycarbonate, UV-resistant                                                                              |
| Material color:                        | <b>traffic white, similar to RAL9016 (93787)</b>                                                         |

### Channel 1 (lighting control)

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

## Product information

Set : PD4N-M-DACO-PRO DALI-2 + SM socle mounting set IP54 PD4N H traffic white, similar to RAL9016

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: 93787

Dimensions:  $\varnothing 110 \times 45$  mm

Degree / class of protection: IP54

Material color: traffic white, similar to RAL9016