

**B.E.G.****LUXOMAT®**

# PD4N-M-DACO-1C DALI-2 Set 93463-93465-93073

DALI-2 PIR motion detector with integrated DALI application controller, 360° detection, and a range of up to Ø24m (450 m<sup>2</sup>), with switching relay

## Order data

| Designation                       | Colour | Art.No |
|-----------------------------------|--------|--------|
| PD4N-M-DACO-1C DALI-2             | white  | 93463  |
| SM socle mounting set IP54 PD4N H | white  | 93465  |
| Corridor lens PD4N type A         | white  | 93073  |

## Areas of application

- entrance halls
- corridors/hallways
- small offices
- open-plan offices
- conference rooms
- classrooms/seminar rooms
- sports halls/ storage rooms

## Technical data

|   |  |
|---|--|
| Voltage:                                    | 230 V AC $\pm 10\%$<br>50 Hz   |
| Dimensions:                                 | <b><math>\varnothing 106 \times 95</math><br/>mm + <math>\varnothing 110 \times 45</math> mm<br/>(93465)</b>   |
| Power consumption:                          | approx. 2 W  |
| Slave devices:                              | up to 8  |
| Detection area:                             | <b>horizontal<br/>360° (Ceiling<br/>mounting)<br/>(93073)</b><br><b>max. <math>\varnothing 40</math> m<br/>across<br/>max. <math>\varnothing 20</math> m<br/>towards<br/>(93073)</b><br><b>250 m<sup>2</sup> / 2.5 m<br/>mounting<br/>height<br/>(93073)</b> |
| Range:                                      | <b>2.4 m / 2.6 m /<br/>2.5 m (93073)</b>   |
| Monitored area (tangential movement):       |  |
| Mounting height min./max./recommended:      | <b>2.4 m / 2.6 m /<br/>2.5 m (93073)</b>   |
| Degree / class of protection:               | <b>IP54 (93465)</b>  |
| Impact strength:                            | IK04   |
| Ambient temperature:                        | -25 °C to +50 °C   |
| Housing:                                    | polycarbonate,<br>UV-resistant<br><b>white, similar<br/>to RAL9010<br/>(93073)</b>   |
| Material color:                             |  |
| <b>Channel 1 (lighting control)</b>         |  |
| DALI output:                                | 80 mA<br>(guaranteed),<br>125 mA (max.),<br>Shut-down<br>mechanism   |
| Supported control gear:                     | DT0, DT5, DT6,<br>DT7  |
| Supported control devices:                  | - (single<br>master)   |
| Follow-up time:                             | 1 min - 150 min  |
| Orientation light:                          | 10 - 30 % / OFF<br>/ 5 min - 60 min<br>/ $\infty$  |
| Brightness set value:                       | 10 - 2500 Lux  |
| <b>Channel 2 (HVAC or lighting control)</b> |  |
| Switching power:                            | 2300 W, $\cos \varphi$<br>= 1<br>1150 VA, $\cos \varphi$<br>= 0.5<br>800 W LED<br>max. inrush<br>current $I_p$ (20<br>ms) = 165 A  |

## Product information

Set : PD4N-M-DACO-1C DALI-2 + SM socle mounting set IP54 PD4N H white, similar to RAL9010 + Corridor lens PD4N type A white, similar to RAL9010

Occupancy detector with integrated DALI application controller for energy-efficient lighting control

DALI-2 certified product

Integrated DALI power supply

DALI interface for controlling digital, dimmable ECGs in broadcast mode

Manual switching or dimming via conventional pushbuttons

Bidirectional IR communication enables fast integration into the project management function of the B.E.G. One app

Complete range of functions can only be activated using the BLE-IR-Adapter and a compatible Smartphone or Tablet (Android, iOS).

Semi-automatic, full automatic, presence-independent or light-independent mode adjustable

Powerful switching relay for different operating modes, e.g. Cut-off function for DALI ballasts, HVAC, blackboard illumination.

Adjustable regulation dynamics (minimum and maximum values)

Adjustable speed and delay of the regulation

Single master version, not networkable

Detection area can be extended by using slave devices

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

|                  |                                     |  |
|------------------|-------------------------------------|--|
| Type of contact: | 1x $\mu$ -contact, dry, bistable    | Number of DALI participants can be determined quickly and reliably via the B.E.G. Online DALI Line Planner       |
| Follow-up time:  | 5 min – 120 min, Alarm pulse, Pulse | Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4                         |
| Light measuring: | Mixed light measuring               | Software is backwards compatible with the first generation (except DSI, double lock and corridor function)       |
|                  |                                     | 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   |
|                  |                                     | Accessories for wall mounting optionally available   |
|                  |                                     | Further accessories for colour matching optionally available   |



## Set items

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



### **PD4N-M-DACO-1C DALI-2**

Art.No: 93463

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

Dimensions:  $\varnothing$  106 x 95 mm

Power consumption: approx. 2 W



### **SM socle mounting set IP54**

#### **PD4N H**

Art.No: 93465

Dimensions:  $\varnothing$  110 x 45 mm

Degree / class of protection: IP54

Material color: white, similar to RAL9010



### **Corridor lens PD4N type A**

Art.No: 93073

Detection area: horizontal 360° (Ceiling mounting)

Range: max.  $\varnothing$  40 m across

max.  $\varnothing$  20 m towards

Monitored area (tangential movement): 250 m<sup>2</sup> / 2.5 m mounting height