

**B.E.G.****LUXOMAT®**

# PD4N-M-DACO-DUO DALI-2 Set 93461-93465-93073-92 199

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

## Areas of application

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

## Order data

| Designation                       | Colour | Art.No |
|-----------------------------------|--------|--------|
| PD4N-M-DACO-DUO DALI-2            | white  | 93461  |
| SM socle mounting set IP54 PD4N H | white  | 93465  |
| Corridor lens PD4N type A         | white  | 93073  |
| Wire basket BSK (Ø 200 x 90 mm)   | white  | 92199  |

## Technical data

|                                           |                                                                                                                                  |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Voltage:                                  | 230 V AC ±10%<br>50 Hz                                                                                                           |
| Dimensions:                               | <b>Ø 200 x 90 mm<br/>(92199)</b>                                                                                                 |
| Power consumption:                        | approx. 3 W                                                                                                                      |
| Slave devices:                            | up to 4                                                                                                                          |
| Detection area:                           | <b>horizontal<br/>360° (Ceiling<br/>mounting)<br/>(93073)<br/>max. Ø 40 m<br/>across<br/>max. Ø 20 m<br/>towards<br/>(93073)</b> |
| Range:                                    | <b>250 m<sup>2</sup> / 2.5 m<br/>mounting<br/>height (93073)</b>                                                                 |
| Monitored area<br>(tangential movement):  | <b>2.4 m / 2.6 m /<br/>2.5 m (93073)</b>                                                                                         |
| Mounting height<br>min./max./recommended: | <b>IP54 (93465)</b>                                                                                                              |
| Degree / class of<br>protection:          | <b>IK09 (92199)</b>                                                                                                              |
| Impact strength:                          | -25 °C to +50 °C                                                                                                                 |
| Ambient temperature:                      | <b>polycarbonate,<br/>UV-resistant +<br/>coated steel<br/>basket (92199)<br/>white, similar<br/>to RAL9010<br/>(93073)</b>       |
| Housing:                                  |                                                                                                                                  |
| Material color:                           |                                                                                                                                  |

### Channel 1 and Channel 2 (lighting control)

|                               |                                                                    |
|-------------------------------|--------------------------------------------------------------------|
| DALI output:                  | 40 mA<br>(guaranteed), 60<br>mA (max.), Shut-<br>down<br>mechanism |
| Supported control gear:       | DT0, DT5, DT6,<br>DT7                                              |
| Supported control<br>devices: | - (single master)                                                  |
| Follow-up time:               | 1 min - 150 min<br>5 - 100 % / OFF /                               |
| Orientation light:            | 5 min - 60 min /<br>∞                                              |
| Brightness set value:         | 10 - 2500 Lux                                                      |
| Light measuring:              | Mixed light<br>measuring                                           |

## Product information

Set : PD4N-M-DACO-DUO DALI-2 + SM socle  
mounting set IP54 PD4N H white, similar to RAL9010  
+ Corridor lens PD4N type A white, similar to  
RAL9010 + Wire basket BSK (Ø 200 x 90 mm) white

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

2 channels

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

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

Number of DALI participants can be determined quickly and

reliably via the B.E.G. Online DALI Line Planner

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



## Set items

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



### PD4N-M-DACO-DUO DALI-2

Art.No: 93461

Voltage: 230 V AC  $\pm 10\%$  50 Hz  
Dimensions:  $\varnothing$  106 x 95 mm  
Power consumption: approx. 3 W



### SM socle mounting set IP54 PD4N H

Art.No: 93465

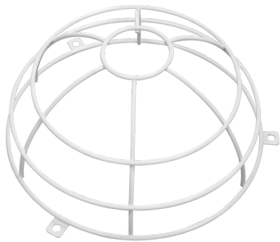
Dimensions:  $\varnothing$  110 x 45 mm  
Degree / class of protection: IP54  
Material color: white, similar to  
RAL9010



### 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



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

Art.No: 92199

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