B.E.G. LUXOMAT®




# PD4N-M-DACO DALI-2

93460 EAN: 4007529934607

DALI-2 PIR motion detector with integrated DALI application controller, 360° detection, and a range of up to Ø24m (450 m²)

## Order data

| Designation | Colour | Art.No |
|---|---|---|
| PD4N-M-DACO DALI-2 | white | 93460 |

## Areas of application

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

## Accessories

| Designation | Colour | Art.No |
|---|---|---|
| BLE-IR-Adapter | black | 93067 |
| IR-Adapter for Smartphones | black | 92726 |
| IR-PD-DALI | - | 92094 |
| IR-PD-DALI-LD | - | 92652 |
| IR-PD-DALI-E | - | 92122 |
| IR-PD-DALI-Mini | - | 92112 |
| SM socle mounting set IP54 PD4N H | anthracite | 93786 |
| SM socle mounting set IP54 PD4N H | white | 93465 |
| SM socle mounting set IP54 PD4N H | black | 93788 |
| SM socle mounting set IP54 PD4N H | traffic white | 93787 |
| SM socle mounting set IP65 PD4N | white | 93314 |

| | | |
|---|---|---|
| Corridor lens PD4N type A, Cover ring | traffic white | 93742 |
| Corridor lens PD4N type A, Cover ring | anthracite | 93741 |
| Corridor lens PD4N type A, Cover ring | black | 93743 |
| Corridor lens PD4N type A | white | 93073 |
| lens PD4N, Cover ring | anthracite | 93731 |
| lens PD4N, Cover ring | black | 93733 |
| lens PD4N, Cover ring | traffic white | 93732 |
| 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 |

## Technical data

| | |
|---|---|
| Voltage: | 230 V AC ±10% 50 Hz |
| Dimensions: | Ø 106 x 95 mm |
| Power consumption: | approx. 2 W |
| Slave devices: | up to 8 |
| Detection area: | horizontal 360° (Ceiling mounting) |
| Range: | max. Ø 24 m across<br>max. Ø 8 m towards<br>max. Ø 6.4 m seated |
| Monitored area (tangential movement): | 450 m² / 2.5 m mounting height |
| Mounting height min./max./recommended: | 2 m / 10 m / 2.5 m |
| Degree / class of protection: | IP20 / Class II |
| Impact strength: | IK04 |
| Ambient temperature: | -25 °C to +50 °C |
| Housing: | polycarbonate, UV-resistant |
| Material color: | white mat, similar to RAL9010 |
| **Channel 1 (lighting control)** | |
| DALI output: | 80 mA (guaranteed), 125 mA (max.), shut down mechanism |
| Supported control gear: | DT0, DT5, DT6, DT7 |
| Supported control devices: | - (single master) |
| Follow-up time: | 1 min – 150 min |
| Orientation light: | 10 – 30 % / OFF / 5 min – 60 min / ∞ |
| Brightness set value: | 10 – 2500 Lux |
| Light measuring: | Mixed light measuring |

## Product information

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

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

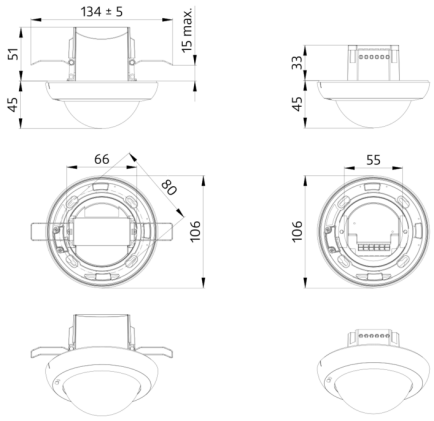
Including pre-assembled spring clamp with strain relief and contact protection cap for recessed ceiling mounting

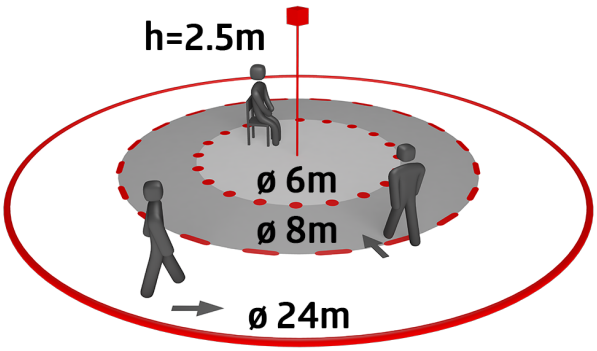
Accessory for surface mounting available

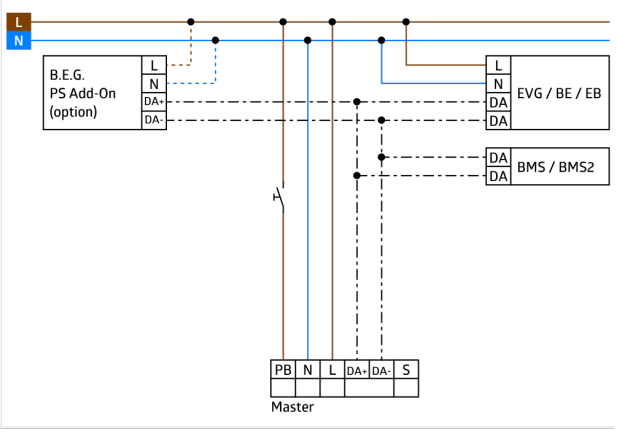
Accessories for wall mounting optionally available

Further accessories for colour matching optionally available

**Application examples:**
entrance halls, corridors/hallways, small offices, open-plan offices, conference rooms, classrooms/seminar rooms, sports halls/ storage rooms


134 ± 5
15 max.
51
45
33
45
66
80
106
55
106


h=2.5m
ø 6m
ø 8m
ø 24m


L
N
B.E.G.
PS Add-On
(option)
L
N
DA+
DA-
L
N
DA
DA
EVG / BE / EB
DA
DA
BMS / BMS2
PB
N
L
DA+
DA-
S
Master

## Accessories



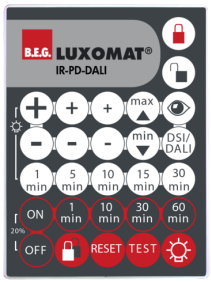
**BLE-IR-Adapter**
Art.No: 93067

Dimensions: 40 x 55 x 103 mm
Material color: black
Frequency: 2.4 GHz ISM band, GFSK
0.2 dBm + 5.3 dBi = 5.5 dBm




**IR-Adapter for Smartphones**
Art.No: 92726

Dimensions: 47 x 19 x 10 mm
Degree / class of protection: IP20
Ambient temperature: -20 °C to +40 °C




**IR-PD-DALI**
Art.No: 92094

Battery: 3.0 V Lithium CR2032 (inclusive)
Dimensions: 80 x 60 x 8 mm
Material color: -




**IR-PD-DALI-LD**
Art.No: 92652

Battery: 3 x 1.5 V Micro AAA (not included)
Dimensions: 83 x 53 x 17 mm
Material color: -




**IR-PD-DALI-E**
Art.No: 92122

Battery: 3.0 V Lithium CR2032 (inclusive)
Dimensions: 80 x 60 x 8 mm
Material color: -




**IR-PD-DALI-Mini**
Art.No: 92112

Battery: 3.0 V Lithium CR2032 (inclusive)
Dimensions: 57 x 35 x 7 mm
Material color: -



**SM socle mounting set IP54 PD4N H**
Art.No: 93786

Dimensions: Ø 110 x 45 mm
Degree / class of protection: IP54
Material color: anthracite, similar to RAL7016



**SM socle mounting set IP54 PD4N H**
Art.No: 93465

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



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

Dimensions: Ø 110 x 45 mm
Degree / class of protection: IP54
Material color: black, similar to RAL9005



**SM socle mounting set IP54 PD4N H**
Art.No: 93787

Dimensions: Ø 110 x 45 mm
Degree / class of protection: IP54
Material color: traffic white, similar to RAL9016



**SM socle mounting set IP65 PD4N**
Art.No: 93314

Dimensions: 133 x 133 x 69 mm
Degree / class of protection: IP65
Material color: white



**Corridor lens PD4N type A, Cover ring**
Art.No: 93742

Detection area: horizontal 360° (Ceiling mounting)
Range: max. Ø 40 m across<br>max. Ø 20 m towards
Monitored area (tangential movement): 250 m² / 2.5 m mounting height



**Corridor lens PD4N type A, Cover ring**
Art.No: 93741

Detection area: horizontal 360° (Ceiling mounting)
Range: max. Ø 40 m across<br>max. Ø 20 m towards
Monitored area (tangential movement): 250 m² / 2.5 m mounting height



**Corridor lens PD4N type A, Cover ring**
Art.No: 93743

Detection area: horizontal 360° (Ceiling mounting)
Range: max. Ø 40 m across<br>max. Ø 20 m towards
Monitored area (tangential movement): 250 m² / 2.5 m mounting height



**Corridor lens PD4N type A**
Art.No: 93073

Detection area: horizontal 360° (Ceiling mounting)
Range: max. Ø 40 m across<br>max. Ø 20 m towards
Monitored area (tangential movement): 250 m² / 2.5 m mounting height



**lens PD4N, Cover ring**
Art.No: 93731

Detection area: horizontal 360° (Ceiling mounting)
Range: max. Ø 24 m across<br>max. Ø 8 m towards<br>max. Ø 6.4 m seated
Monitored area (tangential movement): 450 m² / 2.5 m mounting height



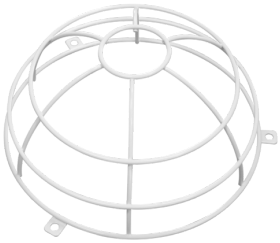
**lens PD4N, Cover ring**
Art.No: 93733

Detection area: horizontal 360° (Ceiling mounting)
Range: max. Ø 24 m across<br>max. Ø 8 m towards<br>max. Ø 6.4 m seated
Monitored area (tangential movement): 450 m² / 2.5 m mounting height



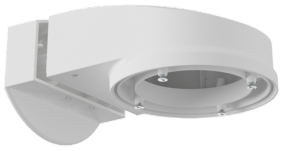
**lens PD4N, Cover ring**
Art.No: 93732

Detection area: horizontal 360° (Ceiling mounting)
Range: max. Ø 24 m across<br>max. Ø 8 m towards<br>max. Ø 6.4 m seated
Monitored area (tangential movement): 450 m² / 2.5 m mounting height



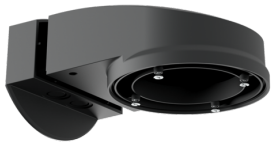
**Wire basket BSK (Ø 200 x 90 mm)**
Art.No: 92199

Dimensions: Ø 200 x 90 mm
Impact strength: IK09
Housing: coated steel basket



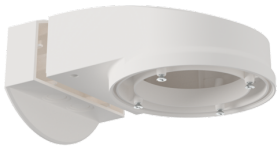
**Wall holder PD2N/4N Typ A**
Art.No: 93702

Dimensions: 133 x 106 x 66 mm
Degree / class of protection: IP54 / Class II
Housing: polycarbonate, UV-resistant



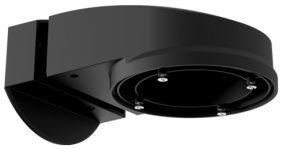
**Wall holder PD2N/4N Typ A**
Art.No: 93701

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