B.E.G. LUXOMAT®



# PD4-M-TRIO-DIM-SM

Prod.No. 92730 EAN: 4007529927302

Occupancy detector for two separate lighting groups, for daylight-dependent lighting control

One potential-free switching channel for control of equipment (HVAC) or lighting

One common detection area

## Order data

| Designation | Colour | Art.No |
|---|---|---|
| PD4-M-TRIO-DIM-SM | white | 92730 |

## Accessories

| Designation | Colour | Art.No |
|---|---|---|
| RC-Arc extinction kit | white | 10880 |
| Mini-RC-Arc extinction kit | | 10882 |
| BLE-IR-Adapter | black | 93067 |
| IR-PD4-TRIO | - | 92097 |
| Wire basket BSK (Ø 200 x 90 mm) | white | 92199 |
| Wire basket BSK (Ø 164 x 143 mm) | white | 92467 |
| Socket IP54 PD4-TRIO-SM | white | 92386 |
| Pendulum mounting set PD2/3/4 SM | white | 93179 |
| Pendulum mounting set PD2/3/4 SM | jet black | 93193 |

## Areas of application

- open-plan offices
- conference rooms
- classrooms/seminar rooms

## Technical data

| | |
|---|---|
| Voltage: | 110 – 240 V AC 50 / 60 Hz |
| Dimensions: | Ø 124 x 85 mm |
| Power consumption: | approx. 0.6 W |
| 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 and Channel 2 (lighting control)** | |
| Switching power: | 3000 W, cos φ = 1<br>1500 VA, cos φ = 0.5<br>300 W LED<br>max. inrush current Ip (20 ms) = 165 A<br>max. inrush current Ip (200 µs) = 800 A |
| Type of contact (k): | 1x µ-contact, NO contact with tungsten pre-make contact |
| DIM output: | 2 dim outputs 1-10 V DC, up to 25 ballasts per channel |
| Orientation light: | 20 % / OFF / ∞ |
| **Channel 3 (HVAC control or lighting control, potential-free (dry))** | |

## Product information

Occupancy detector for two separate lighting groups, for daylight-dependent lighting control

One potential-free switching channel for control of equipment (HVAC) or lighting

One common detection area

Two independent, movable light sensors

Manual switching and dimming via push button possible

Orientation light function

Relay with tungsten pre-make contact, optimised for LED loads

Version as master device

Detection area can be extended by using slave devices

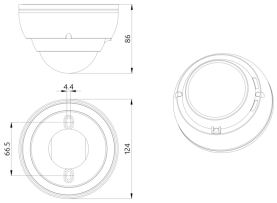
Two 1-10 V interfaces for control of dimmable electronic ballasts

Additional functions can be set up using the optional remote control.

Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4

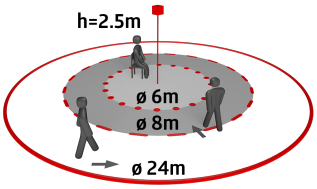
**Application examples:**
open-plan offices, conference rooms, classrooms/seminar rooms

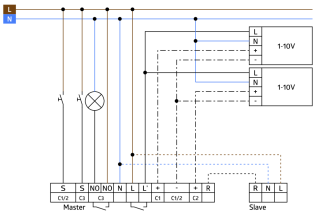
| | |
|---|---|
| Switching power: | 3000 W, cos φ = 1<br>1500 VA, cos φ = 0.5<br>800 W LED<br>max. inrush current Ip (20ms) = 165 A, (200 µs) = 800 A |
| Type of contact: | 1x µ-contact, dry NO contact with tungsten pre-make contact |




**Channel 1 to channel 3**

| | |
|---|---|
| Follow-up time: | 1 min – 60 min |
| Brightness set value: | 10 – 2000 Lux |
| Light measuring: | Mixed light measuring |



## Accessories



**RC-Arc extinction kit**
Art.No: 10880

Voltage: 230 V AC ±10%
Dimensions: 38 x 12 x 26 mm
Degree / class of protection: IP20 / Class II



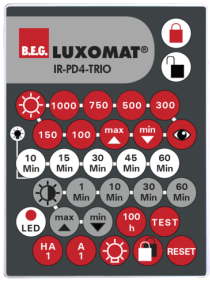
**Mini-RC-Arc extinction kit**
Art.No: 10882

Voltage: 230 V AC ±10%
Dimensions: 50 x 23 x 8 mm
Degree / class of protection: IP20 / Class II



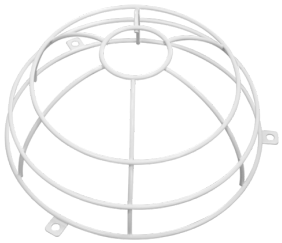
**BLE-IR-Adapter**
Art.No: 93067

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-PD4-TRIO**
Art.No: 92097

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



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

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



**Wire basket BSK (Ø 164 x 143 mm)**
Art.No: 92467

Dimensions: Ø 164 x 143 mm
Impact strength: IK09
Housing: coated steel basket



**Socket IP54 PD4-TRIO-SM**
Art.No: 92386

Degree / class of protection: IP54
Housing: polycarbonate, UV-resistant
Material color: white



**Pendulum mounting set PD2/3/4 SM**
Art.No: 93179

Dimensions: 1 : Ø 113 x 79 mm, 2 : Ø 113 x 34 mm
Housing: polycarbonate, UV-resistant
Material color: white, similar to RAL9010



**Pendulum mounting set PD2/3/4 SM**
Art.No: 93193

Dimensions: 1 : Ø 113 x 79 mm, 2 : Ø 113 x 34 mm
Housing: polycarbonate, UV-resistant
Material color: jet black, similar to RAL9005