

B.E.G.**LUXOMAT®**

PD4-M-TRIO-DIM-FC

92735 EAN: 4007529927357

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-FC	white	92735

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

Areas of application

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

Technical data

Voltage:	110 – 240 V AC 50 / 60 Hz
Dimensions:	Ø 117 x 100 mm
Power consumption:	approx. 0.6 W
Detection area:	horizontal 360° (Ceiling mounting) max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated
Range:	
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, $\cos \varphi$ = 1 1500 VA, $\cos \varphi$ = 0.5 300 W LED max. inrush current I_p (20 ms) = 165 A max. inrush current I_p (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

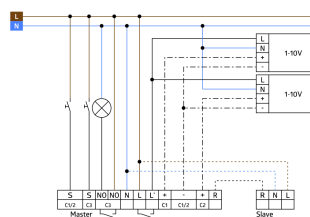
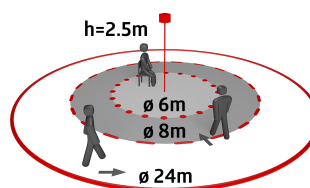
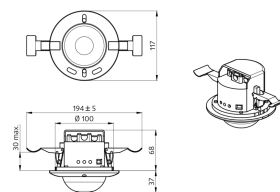
Application examples:

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

3000 W, $\cos \varphi = 1$
1500 VA, $\cos \varphi = 0.5$
800 W LED
max. inrush
current I_p
(20ms) = 165
A, (200 μ s) =
800 A

1x μ -contact,
dry NO contact
with tungsten
pre-make
contact

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 $\pm 10\%$
Dimensions: 38 x 12 x 26 mm
Degree / class of protection: IP20 / Class II



Mini-RC-Arc extinction kit

Art.No: 10882

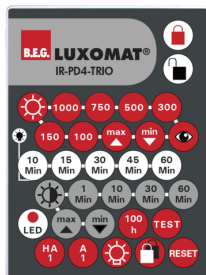
Voltage: 230 V AC $\pm 10\%$
Dimensions: 50 x 23 x 8 mm
Degree / class of protection: IP20 / Class II



BLE-IR-Adapter

Art.No: 93067

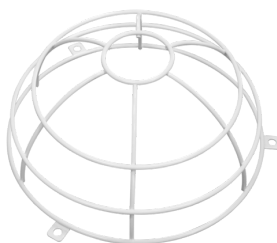
Dimensions: 40 x 55 x 103 mm
Material color: black
Frequency: 2.4 GHz ISM band, GFSK
0.2 dBm + 5.3 dBi = 5.5 dBm



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