B.E.G. LUXOMAT®



PD4-M-3C-TRIO-FC Set 92745-92467

230V 3-channel PIR motion detector with 360° detection and a range of up to Ø24m (450 m²), remote-controlled

Order data

Designation	Colour	Art.No
PD4-M-3C-TRIO-FC	white	92745
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 164 x 143 mm (92467)**
Power consumption:	approx. 0.5 W
Detection area:	horizontal 360° (Ceiling mounting)
Range:	max. Ø 24 m across max. Ø 8 m towards 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:	**IK09 (92467)**
Ambient temperature:	-25 °C to +50 °C
Housing:	**polycarbonate, UV-resistant + coated steel basket (92467)**
Material color:	white mat, similar to RAL9010
Channel 1 (lighting control)	
Switching power:	3000 W, cos φ = 1 1500 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A
Type of contact (k):	1x µ-contact, NO contact with tungsten pre-make contact
Switch-on threshold:	10 – 2000 Lux
Channel 2 (lighting control potential-free (dry))	
Switching power:	3000 W, cos φ = 1 1500 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A, Ip (200 µs) = 800 A
Switch-on threshold:	10 – 2000 Lux

Product information

Set : PD4-M-3C-TRIO-FC + Wire basket BSK (Ø 164 x 143 mm) white

Occupancy detector particularly for classrooms and training classrooms

Two contacts, one of them dry, for two groups of light, separate switching possible

One potential-free contact for blackboard illumination or HVAC

One common detection area

Two independent, movable light sensors

Manual switching possible via two or three pushbuttons

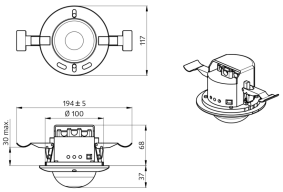
Version as master device

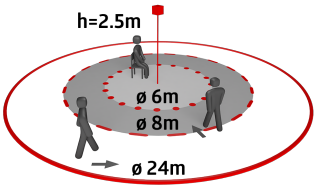
Detection area can be extended by using slave devices

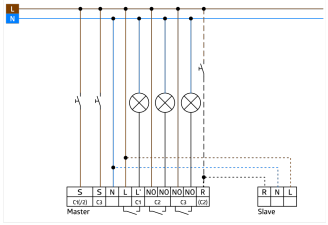
Additional functions can be set up using the optional remote control.

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

Type of contact:	1x µ-contact, dry NO contact with tungsten pre-make contact
Channel 3 (HVAC control or lighting control, potential-free (dry))	
Switching power:	3000 W, cos φ = 1 1500 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20ms) = 120 A
Type of contact:	1x µ-contact, dry NO contact
Channel 1 to channel 3	
Follow-up time:	1 min – 90 min
Light measuring:	Mixed light measuring







Set items

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



PD4-M-3C-TRIO-FC
Art.No: 92745

Voltage: 110 – 240 V AC 50 / 60 Hz
Dimensions: Ø 117 x 100 mm
Power consumption: approx. 0.5 W



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

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