B.E.G. LUXOMAT®



PD9-M-DIM-HVAC-FC

92973 EAN: 4007529929733

Mini occupancy detector for light switching with additional potential-free (dry) contact

1 – 10 V interface for controlling analog, dimmable ballasts

Orientation light function

Areas of application

- entrance halls
- small offices
- corridors/hallways
- sports halls/ storage rooms

Order data

Designation	Colour	Art.No
PD9-M-DIM-HVAC-FC	white	92973

Accessories

Designation	Colour	Art.No
BLE-IR-Adapter	black	93067
IR-PD-DIM-HVAC		92114
IR-PD-DIM-Mini	-	92098
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit		10882
Cover IP65 for Sensor head PD9	transparent	92958
Cover ring PD9 Ø 36 mm	anthracite	92235
Cover ring PD9 Ø 36 mm	white	92238
Cover ring PD9 Ø 36 mm	silver	92237
Cover ring PD9 Ø 45 mm	white	92327
Cover ring PD9 Ø 45 mm	silver	92346
Square design frame PD9-FC	pure white	92993

Technical data

Voltage:	110 – 240 V AC 50 / 60 Hz
Dimensions:	Sensor head: Ø 45 x 28 mm, Power supply: 165 x 24 x 24 mm
Power consumption:	approx. 0.8 W
Detection area:	horizontal 360° (Ceiling mounting)
Range:	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Monitored area (tangential movement):	78 m² / 2.5 m mounting height
Mounting height min./max./recommended:	2 m / 5 m / 2.5 m
Degree / class of protection:	IP20 / Class II
Impact strength:	IK03
Ambient temperature:	-25 °C to +50 °C
Housing:	polycarbonate, UV-resistant
Material color:	white mat, similar to RAL9010
Cable length:	45 cm, screened
Channel 1 (lighting control)	
Switching power:	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 300 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
DIM output:	1-10 V DC, up to 50 ballasts
Follow-up time:	1 min – 30 min
Brightness set value:	10 – 2000 Lux
Channel 2 (HVAC control potential-free (dry))	
Switching power:	3 A (230 V), cos φ = 1

Product information

Mini occupancy detector for light switching with additional potential-free (dry) contact

1 – 10 V interface for controlling analog, dimmable ballasts

Orientation light function

Additional switching channel for the following function: Cut-Off (complete ECG switch-off to avoid standby losses).

One additional potential-free (dry) contact for HVAC

Manual switching and dimming via push button possible

Easy operation with remote control (required)

Version as master device

Detection area can be extended by using slave devices

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

Power supply passes through the hole in the ceiling for the detector (34 mm Ø)

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

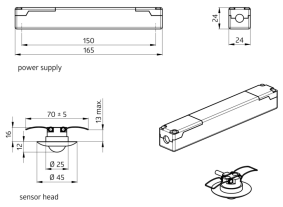
Spring clips for quick and easy installation in suspended ceilings and light fittings

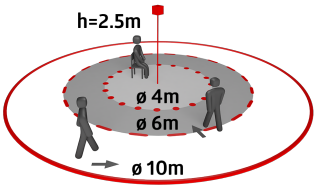
Includes 45 mm cover ring and blinds

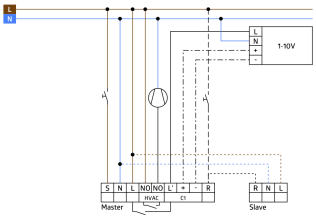
Factory settings 5 min and 300 lux (15 min HVAC)

Application examples:
entrance halls, small offices, corridors/hallways, sports halls/ storage rooms

Type of contact:	µ-contact, dry NO contact
Follow-up time:	5 min – 60 min, Pulse
Light measuring:	Mixed light measuring





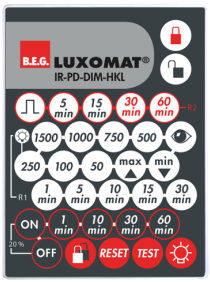


Accessories



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-PD-DIM-HVAC
Art.No: 92114

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



IR-PD-DIM-Mini
Art.No: 92098

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



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



Cover IP65 for Sensor head PD9
Art.No: 92958

Degree / class of protection: IP65
Housing: UV-resistant
Material color: transparent



Cover ring PD9 Ø 36 mm
Art.No: 92235

Dimensions: Ø 36 mm
Housing: polycarbonate, UV-resistant
Material color: anthracite glossy

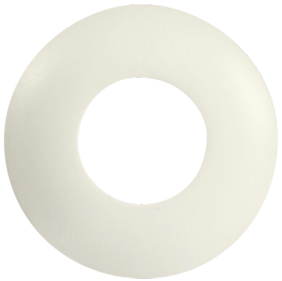
Cover ring PD9 Ø 36 mm
Art.No: 92238

Dimensions: Ø 36 mm
Housing: polycarbonate, UV-resistant
Material color: white glossy



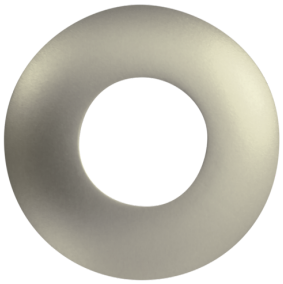
Cover ring PD9 Ø 36 mm
Art.No: 92237

Dimensions: Ø 36 mm
Housing: polycarbonate, UV-resistant
Material color: silver glossy



Cover ring PD9 Ø 45 mm
Art.No: 92327

Dimensions: Ø 45 mm
Material color: white mat



Cover ring PD9 Ø 45 mm
Art.No: 92346

Dimensions: Ø 45 mm
Material color: silver mat



Square design frame PD9-FC
Art.No: 92993

Dimensions: 45 x 45 x 2.6 mm
Housing: polycarbonate, UV-resistant
Material color: pure white mat, similar to RAL9010