

**B.E.G.****LUXOMAT®**

## PD9-M-DIM-HVAC-FC

Prod.No. 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) max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Range:	
Monitored area (tangential movement):	78 m <sup>2</sup> / 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
<b>Channel 1 (lighting control)</b>	
Switching power:	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 300 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (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
<b>Channel 2 (HVAC control potential-free (dry))</b>	
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)

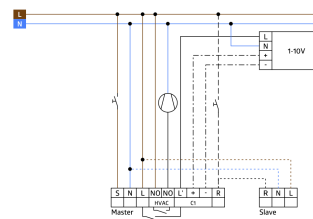
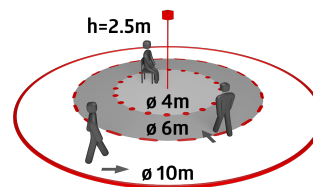
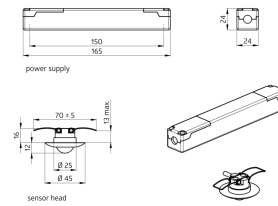
### Application examples:

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

Type of contact:  $\mu$ -contact, dry  
NO contact

Follow-up time: 5 min – 60 min,  
Pulse

Light measuring: Mixed light  
measuring

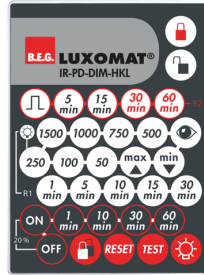


## Accessories



**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  $\pm 10\%$   
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



**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



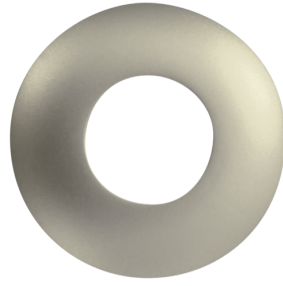
**Cover ring PD9 Ø 36 mm**  
Art.No: 92237

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



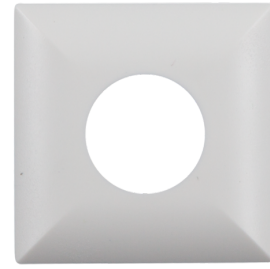
**Cover ring PD9 Ø 45 mm**  
Art.No: 92327

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