

Installation and Operating Instruction for B.E.G. - occupancy detector PD2N-24V-LTMS-EN

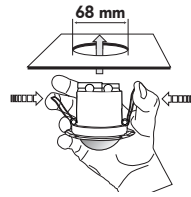
1. Mounting preparation

Work on the 230V mains supply may only be carried out by qualified professionals or by instructed persons under the direction and supervision of qualified skilled electrical personnel in accordance with electrical regulations.

Disconnect supply before installing!

The device is not suited for safe disconnection of the mains supply.

2. Installation LUXOMAT® PD2N-LTMS-FC

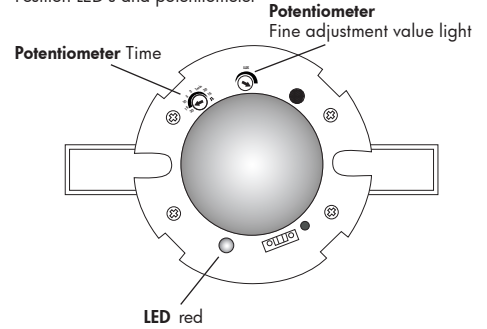


A circular opening of diameter 68 mm must first of all be produced in the ceiling.

Having connected the cables in accordance with regulations, the detector is inserted into the opening as shown in the drawing opposite and fixed into position with the assistance of the spring clip.

3. Hardware configuration FC

Position LED's and potentiometer



4. Putting into operation / Settings

Self test cycle

After an initial 60-second self-test cycle, the LUXOMAT® PD2N-LTMS-FC is ready for operation.

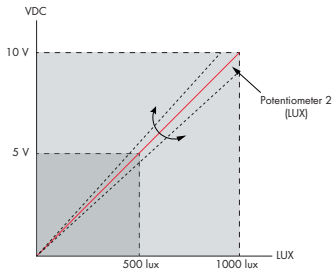
Potentiometer 1- Adjustment follow-up time "motion detection"



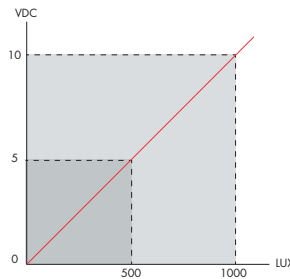
Potentiometer 2- Fine adjustment of the light output value

5. Potentiometer 2

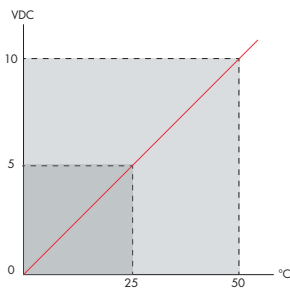
To compensate for losses in the 1-10V output due to cable lengths, potentiometer 2 can be used to change the 1-10V output voltage. It can be changed by ± 10% to increase or decrease the LUX/VDC output voltage curve.



6. Brightness value output as a voltage value the LUX-terminal



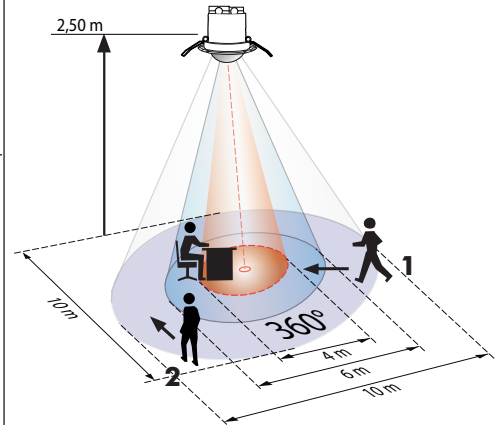
7. Temperature value output as a voltage value to the TEMP terminal



8. Motion detection

When motion is detected, the floating Switch contact (NO-terminal) closes for the set delay time. Every movement starts the delay time from the beginning.

9. Range of Coverage



- 1 walking towards
- 2 walking across
- 3 seated

10. Technical data

Sensor and power supply in one case
Power supply: 16-48 VDC
Power consumption: < 1W
Ambient temperature: 0°C to +50°C
Degree of protection / class: IP20 / II
Settings: Potentiometer
LUX-/TEMP-Output: 0-10V ± 200mV, 10 mA max.
Light values: 0 - 1000Lux, ± 20 Lux
Sensitivity:
Light measurement: ca. 10 mV/Lux
Temperature values: 0°C - +50°C, ± 0,5°C
Sensitivity
Temperature values: ca. 200 mV/°C
Area of coverage: circular 360°
Range of coverage Ø H 2,50 m / T = 18°C: tangential 10 m / radial 6 m
Recommended height for mounting: 2 - 3 m
Light measurement: mixed light, daylight + artificial light

Contact load
Motion detector: potential-free contact NO
Contact load: 16-48 VDC, 3 A, cos φ=1
Time settings (Channel 1): 15 s. - 30 min. + Impuls function

Dimensions H x Ø [mm]
 PD2N-LTMS-FC 83 x 83
Visible portion when built into ceiling: 20 x 83 mm

CE Declaration of Conformity: The product complies with the low voltage recommendation 2006/95/EC and the EMV recommendation 2004/108/EC.

11. Article / Part nr. / Accessory

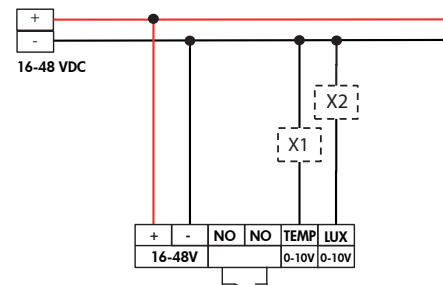
Typ	FC
PD2N-LTMS-FC	92113

Accessory:
 BSK Ball basket guard 92199

12. LED function displays

LED function indicators	
Operating state	LED function indicators
Initialization	60s initialization, red flashes 2x in the second
Active	red lights on when motion is detected

13. Connections



X1, X2: Evaluation units/-devices

14. PD2N-LTMS-FC-Connections

