B.E.G. LUXOMAT® PD9-M-DIM(-GH)

2b. Connectina

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terminals

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Installation and Operating Instruction for B.E.G. - Occupancy detectors PD9-Master-DIM(-GH)-FC



Work on the 230 V 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 electrotechnical reaulations.

Disconnect supply before installing!

When in Master/Slave mode of operation, the Master-appliance must always be installed at the location where there is least davliaht.

Option:





Wall bracket for remote control IR-PDim



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2a. Installation

The detector has been designed and developed specifically for installation in suspended ceilings.

A circular opening of diameter min 34 mm must be produced in the ceiling.

Having connected the cables in accordance with the regulations, connect the power supply via the RJ11 plug. Therefore, open the power supply with the help of the screws and close it afterwards. After that, put the power supply through the opening in the ceiling and mount the sensor onto the ceiling according to fiaure



Dimming

Unlocking device

The following approach will prove useful when setting a command value (example workplace): Place a luxmeter flat on the desk, then, using the remote control IR-PDim, adjust the light up or down by pressing the keys max or min until the desired command value which best suits your requirements has been reached.

Automatic reading in the current light value as new luminance set point

Individual light value 2 - 2500 Lux

Follow-up time 1 upto 30 min.

(ON)

OFF

20%

(∎)

Lock device

Orientation lighting and its follow-up time

OFF button: No orientation light Grey button: Programming the switch-off delay time On button: Orientation light is permanently activated. Note: During the orientation light phase, the constant light regulation is also active: if there is sufficient brightness. dimming occurs < 2V and, if applicable, the lighting is switched off.

Preset/user mode => (see page 2, point 8)

Fully automatic / semi automatic mode => (see page 2, point 7) Semi automatic: green LED, Fully automatic: red LED on for ca. 3 sec.

Resetting when open



5. Range of Coverage PD9-M-DIM-GH PD9-M-DIM 300 1 Walking across **2** Walking towards

3 Seated

Test mode Reset to deactivate

using remote control (optional)



3. Settings carried out

LUXOMAT® **IR-PDim Remote Control** 1. Check Battery: Open battery compartment by pressing the plastic springs together and removing the battery-holder.

Lock device

operation.

2c. Self test cycle

Resetting when closed

The LUXOMAT® PD9-M-DIM

(-GH) enters an initial 60-sec-

ond self-test cycle, when the

supply is first connected. The

occupancy detector is ready for

The lighting relay is switched off, i.e. opened and the follow-up times reset.

Permanent protection against sabotage

This function blocks the unit permanently (green LED is illuminated). This operating mode can only be activated during the period of 5 seconds after pressing the "lock" button. This status will only permit actuating the function "Light on/Light off".

The procedure for leaving this mode is as follows:

- 1. Switch off the current
- 2. Apply current for 31 59 seconds
- 3. Switch of the current again
- 4. Apply current 5. Open detector

Light on / off => (see page 2, point 9)

The light will remain switched on/off for as long as move-ments are detected in the areas of coverage. Once the last movement has been detected, the light will remain on for the duration of the follow-up time as per setting. The appliance will then return independently to the mode selected (Fully or Semi-automatic).

6. Dimensions

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In case the sensing area of the LUXOMAT® PD9-M-DIM(-GH) is too large or areas are being covered that should not be monitored, the range can be reduced or limited through use of the enclosed masking clips.



Technical data PD9-Slave

Electrical data same as above, but just one channel for signaling motion detection.

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



MAN 6140 – 050110–3

14. LED-functional indicators, faultfinding