# B.E.G. LUXOMAT<sup>®</sup> PD4-M-DIM-Corridor

### Installation and Operating Instruction for B.E.G.-Occupancy detectors PD4-M-DIM-C-SM/-FC

#### 1. Mounting preparations

Work on the 230 V mains supply may only be carried out by quali-fied 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. When in Master/Slave mode of operation, the Master-appliance must always be installed at the location where there is least daylight.

3. Position DIP-switches

4. DIP switch functions

LED OFF

Corridor mode

ON

Surface mounting

## tor-, lens- and corridor-axis must match

ATTENTION: For maximum sensitivity the detect

2a. Installation of the LUXOMAT® PD4-DIM-C-SM



Light

control

measurement

The DIP switch set-

tings are overriden

ON

DIP 2 3

using the remote

The detector must be installed on a solid and level surface. The circular cover ring must be removed prior to assembly. To do this, twist the lens (C) anticlockwise through approximately 5° and lift off.

Having connected up the wires in accordance with regulations, secure the detector with 2 screws. After installation replace the lens and lock (turn clockwise). Mains to be connected.

#### 5. Putting into operation / Settings

Initialization In the first 60 seconds after connecting the power supply the LUXOMAT® PD4-M-DIM-C will go through a self test cycle. During this time the device doesn't respond to movement, but will stay on the status depending on the selected initialization mode on or off (INI OFF or ON).

Warning: In the Ini-OFF mode, does not switch on lights at power start up. After 60 seconds, detector would switch on lights on upon detecting movement.

#### Follow-up time for light control

The time can be set infinitely variably at between 1 and 30 minutes. Symbol **TEST**: Test mode (Every movement switches on the

light for a period of 1 second, switching it off for a period of 2 seconds after that regardless of the level of brightness)

#### Twilight-switch for light control (relay 1)

The switch on value for the light can be set at between 10 and 2000 Lux. Using the rotary control, the luminance set points can be set as desired.

Symbol (: Night-time operation

Symbol 🔆: Daytime/Night-time operation

#### Orientation lighting

This rotary controller serves to determine the working time of the orientation lighting (fixed to 20%). "ON" for permanent orientation lighting

"OFF" for deactiviation of orientation lighting

#### Pulse spacing PD-Slave

2 or 9 seconds can be set for the pause between 2 pulses sent to the master. The setting can be made with activated ( ) or deactivated (()) LED indicator.

For devices with a separate slave input, 2 sec. can be set.

2b. Montage LUXOMAT® PD4-DIM-C-FC



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

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

Having connected

up 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.

control (optional)

6. Settings carried out using remote

#### Remote control LUXOMAT® IR-PDim 1. Check Battery: open battery compartment by pressing the plastic springs together and removing the battery-holder. ST 1 26 2. IMPORTANT Please pay attention, that the setting is

Potentio-meter 1 at "TEST" and Potentiometer 2 **not** at "SUN". All values which have been programmed using the remote control will be deleted in the event of power failure in the position "TEST/SUN". Please switch Potentiometer 2 over to "MOON" or any other value.

#### Caution:

Settings with remote control supersede the settings by courtesy of potentiometers.



• 🛈 •

R1 🚺



The DIP settings are enabled again by

Semi automatic mode

 Adjusting the DIP switches when closed • Reset with test sun setting at the potentiometers

Light

ment

measure

• Reset when open

**DIP** 

DIP-

switch

2

3

Corridor function: After deactivation by an external push button, the detector switches off and returns to automatic mode after 5 sec. Function LEDs OFF: In the open state and in test mode, the LEDs are

False ceiling mounting

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<u>i ji ji ji</u>

OFF

LED ON

Standard mode

Fully automatic mode

always ON.



In case the sensing area of the **LUXOMAT**® PD4-M-DIM-C 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 (e).

Detector identifies dark, light on (dependent upon operating mode)

MAN 7260 - 050314-3

Semi-automatic active (shines) Illuminates 4 seconds, then 1 sec off Semi-automatic and active corridor Illuminates 1 seconds, then 4 sec off Only active corridor