# B.E.G. LUXOMAT<sup>®</sup> PD2-M-DIM

## Installation and Operating Instruction for B.E.G.-Occupancy detectors PD2-M-DIM-SM/-FC/-FM

#### 1. Mounting preparations

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 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 Surface mounting

Light

6

Semi automatic mode

4. DIP switch functions

LED OFF

Corridor mode

The DIP settings are enabled again by

Adjusting the DIP switches when closed

• Reset with test sun setting at the potentiometers

ON

DIP

DIP

switch

2

3

• Reset when open

7. Option:

measurement

#### 2a. Installation of the LUXOMAT® PD2-M-DIM-SM The detector must be installed

on a solid and level surface. There is no need for frames.

For mounting remove lens (C) (turn anticlockwise). Fasten the mounting pod to the ceiling

Having connected up the wires in accordance with regulations, secure the detector with 2 screws as per the illustration above. In order to assemble the detector outside, the PD2-IP54 base-plate, which is available as an accessory, must be mounted between the detector and the surface on which it is to be installed.

Flush mounting

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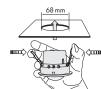
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DIP OFF

ON

DIP 2

#### 2b. Installation of the LUXOMAT® PD2-M-DIM-FC



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

A circular opening of diameter 68 mm must 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 clips.

#### 5. Putting into operation / Settings

#### Self test cycle

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After an initial 60-second self-test cycle, the **LUXOMAT**® PD2-M-DIM is ready for operation.

#### 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 (fixed to 20%) The orientation lighting can be set infinitely variably at between 5 and 60 minutes resp. "ON" for permanent orientation lighting or "OFF" for no 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 () LED indicator. For devices with a separate slave input, 2 sec. can be set

#### 2c. Installation of the LUXOMAT® PD2-M-DIM-FM



The detector can be installed in conventional inlet-sockets mounted on the ceiling. The assembly plate enclosed must be stripped off prior to installation and secured to the ceiling using 4 screws and ensuring that it is not laterally

transposed. Having connected up the cables in accordance with regulations, the detector can be placed in position as shown in the drawing opposite and, ap-plying a little pressure, can then be locked into position with the assistance of the spring clips.

#### 6. Settings carried out using remote control (optional)



### 1. Check Battery:

open battery compartment by pressing the plastic springs together and removing the battery-holder.



#### 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". <u>Please switch</u> Potentiometer 2 over to "MOON" or any other value.

#### Caution

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

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 always ON.

False ceiling mounting

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The DIP switch settings are over riden using the remote control. Attention: The light sensor should be mounted on the opposite side of the window.

OFF

LED ON

Standard mode

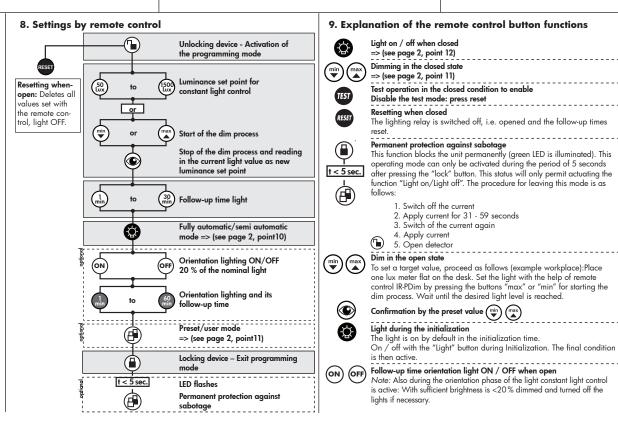
Fully automatic mode



IR-PDim



Wall bracket for remote control IR-PDim





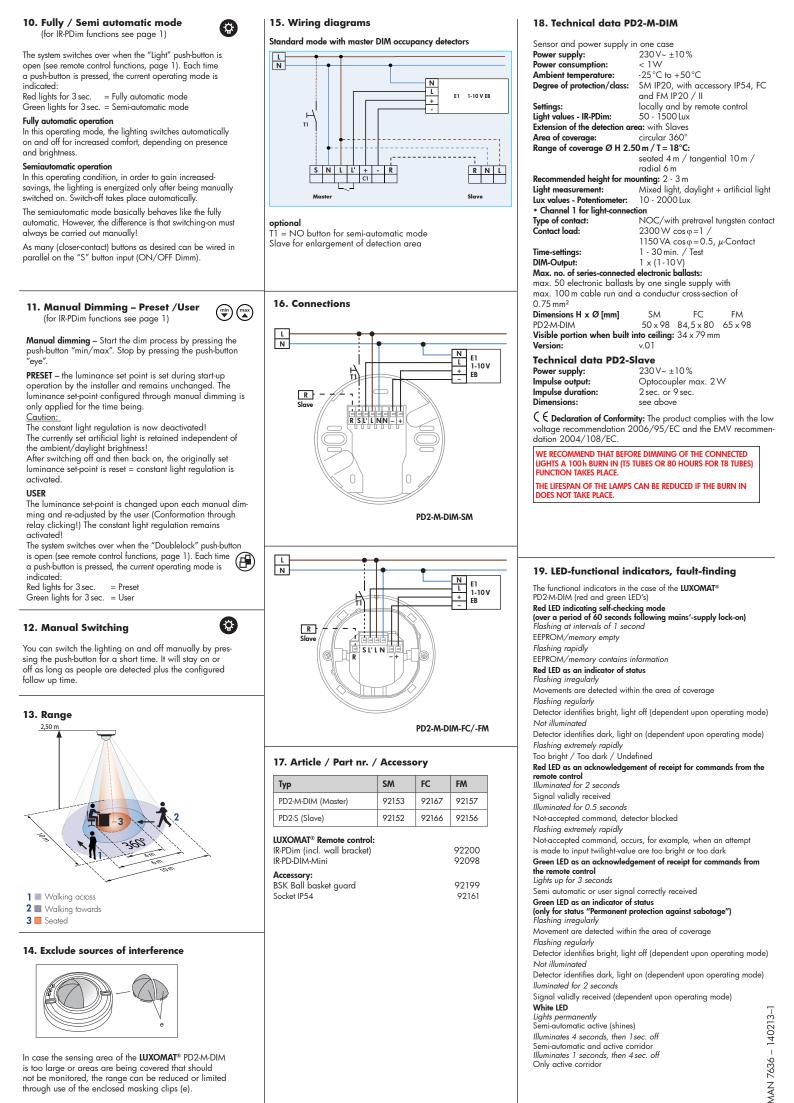












Only active corridor

In case the sensing area of the **LUXOMAT®** PD2-M-DIM 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).