B.E.G. LUXOMAT® PD5-M-1C-Clip

T5+T8

Installation and Operating Instruction

1. Mounting preparations

2. Installation



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 daylight.

4. Self test cycle



The product enters an initial 60-second self-test cycle, when the supply is first connected. The occupancy detector is ready for operation.

Option:



IR-PD



Wall bracket for remote control IR-PD



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The $\ensuremath{\textbf{LUXOMAT}}^{\ensuremath{\texttt{в}}}$ PD5-M-1C-Clip is supplied with a 90 cm long, 5 x 0.75, colour-coded cable and is pre-wired.

5. Putting into operation / Settings

brightness)

Symbol (:

Symbol 🕁:

15 sec and 16 min

Follow-up time for light control

points can be set as desired.

The time can be set infinitely variably at between

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

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

Daytime/Night-time operation

Night-time operation

The detector has been specially developed for clipping onto fluorescent lamps of size

It is particularly suitable for use with suspended light-strips or for ceiling appli-cations where holes caused by installation are to be avoided. Two clip sizes of the type required are enclosed. Carry out the clipping on procedure as follows:

The height-adjustable clip can be inserted in the housing easily as long as the mark-ings on the clip-shaft and the housing are in line with each other. Once the correct distance to the light has been established, lock the shaft by rotating through 90° in an anti-clockwise direction.

3. Detection area

Mounting height	Range (circular detection) T=18°C			
	seated	walking across	walking towards	
2.00 m	r = 2.00 m	r = 4.00 m	r = 2.00 m	
2.50 m	r = 2.50 m	r = 5.00 m	r = 3.00m	
3.00 m	r = 3.00 m	r = 6.00 m	r = 3.70 m	
3.50 m	-	r = 7.00 m	r = 4.30 m	
4.00 m	-	r = 8.00 m	r = 4.80 m	
4.50 m	-	r = 9.00 m	r = 4.50 m	
5.00 m	-	r = 10.00 m	r = 6.00 m	

6. Settings carried out using remote control (optional)

Remote control LUXOMAT® IR-PD



1. Check Battery:

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

2. IMPORTANT



Caution:

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

Settings for master with remote control



Note: The buttons for channel 2 (R2) have no function for the PD5-M-1C-Clip.

Explanation of button functions



4. Apply current, wait for selftest cycle 5. Open detector





7. Switching between fully automatic and semi automatic mode when open (for IR-PD functions see page 1)

Fully automatic operation

In this operating mode, the lighting switches automatically on and off for increased comfort, depending on presence and brightness (red LED lights up for 1.5 sec.).

Semiautomatic operation

(Semiautomatic can only be activated via the remote control!) In this operating condition, in order to gain increased savings, the lighting is energized only after being manually switched on. Switch-off takes place automatically (red LED flashes quickly for 3 sec.).

The semiautomatic mode basically behaves like the fully automatic one. However, the difference is that switching-on must always be carried out manually!

As many (closer-contact) buttons as desired can be wired in parallel on the "S" button input.

8. Manual switching when closed

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You can switch the lighting on and off manually by pressing the pushbutton for a short time. It will stay on or off as long as people are detected plus the configured follow up time.

9. Range of Coverage



10. Colour-coding of pre-wired for PD5-Clip-M



Colour coding for pre-wired cable for PD5-S-Clip



GREY = L (permanent phase) WHITE = N (neutral wire) GREEN = R' (remote for Slave)

11. Wiring diagrams



Presence and brightness-dependent light control with optional presence-dependent HVAC control



Master-/Slave-operation with one Master and several Slaves. The Master is the only unit to read in the lux levels and to switch the connected loads. The Slave units will react on motion only, independently of the lux levels, by sending an impulse via the dry contact, to the Master. No further loads can be connected at this contact.

12. LED-functional indicators, fault-finding

The functional indicators in the case of the LUXOMAT® PD5-M-1C-Clip (red and green LED's) Red LED indicating self-checking mode (over a period of 60 seconds following mains'-supply lock-on) Flashing at intervals of 1 second EEPROM/memory empty Flashing rapidly EEPROM/memory contains information Red LED as an indicator of status Flashing irregularly Movements are detected within the area of coverage Flashing regularly Detector identifies bright, light off (dependent upon operating mode) Not illuminated Detector identifies dark, light on (after switch-on delay) (dependent upon operating mode) Flashing extremely rapidly Too bright / Too dark / Úndefined

Red LED as an acknowledgement of receipt for

commands from the remote control Illuminated for 2 seconds and switching the relay Signal validly received

13. Technical data

Sensor and power supply in one case

Power supply:	230 V~ ±10%		
Detection area:	O 360°		
Range max. [m]:	Ø	radius	
Seated:	2.50	1.25	
Walking across:	10.00	5.00	
Walking towards:	6.00	3.00	
Mounting height:	2 - 3 m		
Power consumption:	< 1W		
Channel 1 (Control the lighting	g)		
Switching power:	2300 W, $\cos \varphi = 1$;		
	1150 W,	$\cos \varphi = 0.5$	
Time settings:	impulse or 15 sec 30 min.;		
Light sensor:	10 - 2000 Lux		
Protection:	IP20 / Class II / 🕻 🤅		
Dimensions:	L 91.5 x W 60 x H 73 mm		
Housing:	UV- and shock-resistant		
-	Polycarbonate		
Ambient temperature:	-25°C to +50°C		

Technical data PD5-Slave-Clip

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

C ${\bf f}$ Declaration of Conformity: The product complies with the low voltage recommendation 2006/95/EC and the EMV recommendation 2004/108/EC

Standard operation with external push button



A separate remote input (R) can be used to manually switch the light on and off as required.



The parallel operation is not allowed for Master units!

Illuminated for 0.5 seconds Not-accepted command, detector blocked

Green LED as an acknowledgement of receipt for commands from the remote control Lights up for 3 seconds Semi automatic or user signal correctly received

Green LED as an indicator of status for status "Permanent

protection against sabotage' Flashing irregularly Movement are detected within the area of coverage

Flashing regularly

Detector identifies bright, light off (dependent upon operating mode)

Not illuminated Detector identifies dark, light on (dependent upon operating mode)

lluminated for 2 seconds Signal validly received (only supported for "Light on/Light off" function)

14. Article / Part nr. / Accessory

Тур	Part nr.
PD5-M-1C-Clip (Master)	92315
PD5-S-Clip (Slave)	92316

LUXOMAT® Remote control: IR-PD (incl. wall bracket) IR-PD-Mini	92160 92159
Accessory: Wall bracket for remote control as replacement	92100