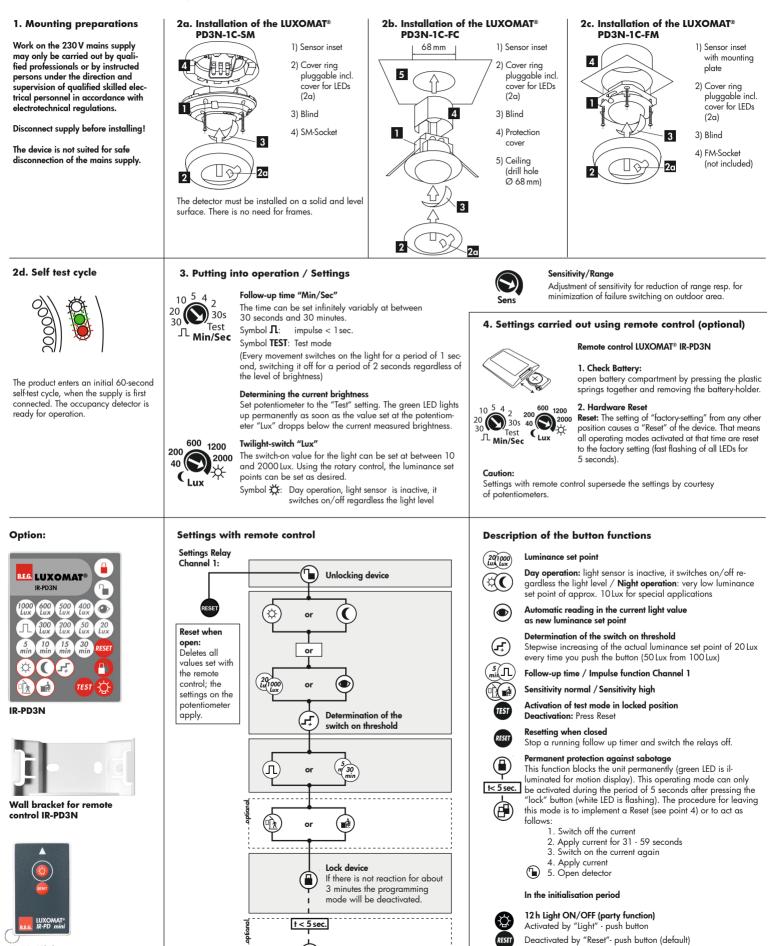


B.E.G. LUXOMAT[®] PD3N-1C

Installation and Operating Instruction



Permanent protection against

sabotage

RESET

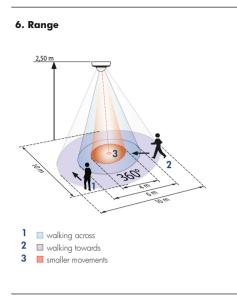
IR-PD-Mini

5. Manual Switching

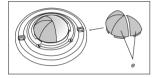


You can switch the lighting on and off manually by pressing the pushbutton for a short time. It will stay on or off as long as people are detected plus the configured follow up time.

By pushing the button for more than 3 seconds the lighting will be switched on for 12 hours (Party program) and returns to full automatic mode after timeout.



7. Exclude sources of interference



In case the sensing area of the **LUXOMAT®** PD3N-1C is too large or areas are being covered that should not be monitored, the range can be reduced or limited by using the enclosed masking clips.

8. Article / Part no. / Accessory

| Туре | SM | FC | FM |
|--|-------|-------|----------------|
| PD3N-1C | 92190 | 92196 | 92186 |
| LUXOMAT® Remote control IR-PD3N (incl. wall bracket IR-PD-Mini | - | | 92105 92159 |
| Accessory: BSK Ball basket guard | | | 92199 |

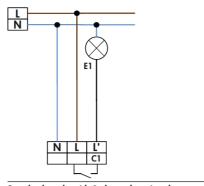
9. LED-functional indicators

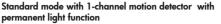
| LED function indicators after each mains recovery (60 sec. initialisation period) | | | | |
|--|--|--------------------------------|--|--|
| Operating state | LED function indicators | | | |
| Double-locked | White and green shines for 5 sec. all 20 sec., after initialising notificatian | | | |
| | Indicator unprogrammed | Indicator programmed | | |
| Standard mode | Red flashes | Red flashes quickly | | |
| 12 h ON/OFF active | Red and green flash | Red and green flash quickly | | |

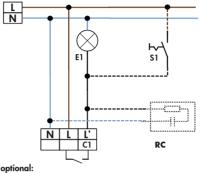
| LED function indicators during operation | | |
|--|---|--|
| Process | LED function indicators | |
| Motion detection | Red flashes on each detected movement | |
| Impulse mode active | Red and green flash one time all 4 sec. | |
| 12 h ON/OFF function active | Red and green flash alternately | |
| IR command | White flashes once | |
| IR command "Open" and sabotage active | White and green flash once slowly | |

10. Wiring diagrams

Standard mode with 1-channel motion detector

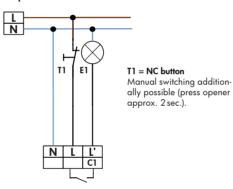




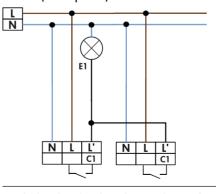


S1 = switch for permanent light RC = RC-suppression kit if required

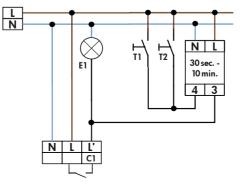
Standard mode with 1-channel motion detector with NC pushbutton



Parallel connection with 1-channel motion detectors (max. 8 parallel)



Standard mode with 1-channel motion detector (f.ex. stairs)



1

| 11. Technical data PD3N-1C | | | | |
|---|--|--|--|--|
| | | | | |
| Sensor and power supply i Power supply: | 230 V~ ±10 % | | | |
| Terminal clamps: | for single-wire conductor | | | |
| Power consumption: | < 0.5 W | | | |
| Ambient temperature: | -25°C – +50°C | | | |
| Degree of protection/class: | | | | |
| Caulana | FM = IP20 /Class II | | | |
| Settings: | via potentiometer or remote control | | | |
| Area of coverage: Range of coverage Ø H 2. | circular 360° 5 m / T= 18°C· | | | |
| Range of coverage 2 11 2. | smaller movements 4 m / | | | |
| | tangential 10 m / radial 6 m | | | |
| Recommended height for me | ounting: 2 - 3 m | | | |
| Lux values: | 10 - 2000 Lux | | | |
| Channel 1 for light-connect | | | | |
| Type of contact: | NOC/with pretravel tungsten contact and cero crossing | | | |
| | circuit | | | |
| Contact load: | 2300 W cos $\phi = 1 /$ | | | |
| | 1150 VA $\cos \varphi = 0.5$, μ -Contact | | | |
| Time-settings: | 30 sec 30 min. / Test | | | |
| Dimensions H x Ø [mm] | SM FC FM | | | |
| PD3N Visible partian when built | 53 x 106 81 x 83 63 x 106 | | | |
| Visible portion when built | 1110 cening. 34 x 100 mm | | | |
| (E Declaration of Conform | ity: The product complies with | | | |
| the low voltage recommen- | dation 2006/95/EC and the | | | |
| EMV recommendation 200 | | | | |
| | | | | |
| | | | | |
| 12. Trouble shooting | | | | |
| 1. Lamp does not light up | | | | |
| | | | | |
| Lamp may be defect: Replace lamps | | | | |
| No mains connection/pow | | | | |
| Check connection and mains fuse by qualified electrician | | | | |
| Incorrect setting of CDS twi | light threshold: | | | |
| Correct setting of CDS th | | | | |
| Lens of sensor unit obstruct | | | | |
| Clean lens, remove obje | CTS | | | |
| 2. Lamp turns ON too late | or detection range too small | | | |
| LUXOMAT® PD3 is mounted | too high: | | | |
| See table of mounting he | | | | |
| Correct mounting if requ | ired. | | | |
| 3. Lamp stays ON continuo | uslv | | | |
| | • | | | |
| Continuous thermal activity detected ie fan, central heating ducts, animals within detection area: | | | | |
| Remove heatsource. Check proper function of | | | | |
| LUXOMAT [®] PD3N by covering the fresnel-lens. After | | | | |
| | 3N has to turn OFF lighting. | | | |
| LUXOMAT® PD3N connected in parallel to a manual | | | | |
| override switch: | | | | |
| Connect switch correctly | | | | |
| 4. Unintended switching of light | | | | |
| | | | | |
| Movement of heat source within detection area: Check on presence of animals, fans or heaters | | | | |
| check on presence or animals, fails or nearers | | | | |
| | | | | |
| | | | | |
| 13. PD3N-1C-Conne | 13. PD3N-1C-Connections | | | |
| • | | | | |
| | • | | | |
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