

Tender text Article number 353-701111

Motion detector M42LR, 230 V, 1 channel, 32-37 m, 360°, SnapFit, for flush mounting



Proposed functionalities description according to BIPS 4.7.9

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SPECIFICATIONS

| | |
|-----------------------|-----------------------------------|
| Configuration | stand-alone |
| Detector technology | PIR |
| Mounting method | flush-mounting (SnapFit) |
| Input voltage | 230 Vac ± 10 %, 50 Hz |
| Detector output | 230 V (ON/OFF) |
| Number of channels | 1 channel |
| Light intensity range | 20 lux – 2000 lux, ∞ |
| Switch-off delay | pulse, 15 s – 2 h, ∞ |
| Detection angle | 360 ° |
| Detection range (PIR) | ø 37 m from a height of 3 m |
| Ambient temperature | -25 – +40 °C |
| Flush mounting depth | 56.9 mm |
| Drill diameter | 76.0 mm |
| Mounting height | 2 – 3.5 m |
| Relay contact | N.O. (max. µ10 A), potential-free |
| Marking | CE |
| Protection degree | IP20 |

Proposed functionalities description according to BIPS 4.7.10

Mounting method

The detector is suitable for mounting in all types of ceilings without the use of additional elements (e.g. tiles) to guarantee stable mounting. The detector can easily be removed without damaging the ceiling or ceiling tiles.

Configuration app

All detectors in the installation can be configured using the app and 2-way Bluetooth® communication between a smartphone or tablet and the detector. There are no additional configuration tools required.

PIN code

The detector can be protected with a 4-digit PIN code in the app to prevent others from controlling the detector or modifying its settings.

Event log

The event log in the app shows all the changes you made to the settings of a specific detector.

Sensitivity

The detector's sensitivity for detecting movement can be set using the app and 2-way Bluetooth® communication between a smartphone or tablet and the detector. The 360° detection range can be divided into three sectors each covering 120°. The sensitivity of these sectors can be set separately in 4 levels and a sector can be switched off completely.

Documentation

Documentation is available in digital format and is stored in an online portal.

Detection range

The detection range is documented in accordance with EN/IEC 63180.

230 V lighting control

230 V non-dimmable lighting can be controlled via the detector's internal relay (e.g. halogen or fluorescent lamps). The lights can be switched ON and OFF according to movement, a set lux level and/or a push button.

Manual control with 230 V inputs

A 230 V input wired to the detector can perform different actions: switch the light ON/OFF or switch only ON.

Switch-off above lux level

If 'Switch-off above lux level' is ON, the detector's priority is light and the second priority is movement. The detector controls the lights according to the ambient lux level. The lights will switch off when the lux level in the room is above the lux level setting for 10 min, even if there is still movement in the room. If 'Switch-off above lux level' is OFF, the detector's priority is movement. The detector controls the lights according to movement only. The lights will only switch off at the end of the switch-off delay.