

Tender text Article number 353-650321

Presence detector P47MR, DALI-2, master, 12-13 m, for flush-mounting box, white



Proposed functionalities description according to BIPS 4.7.9

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SPECIFICATIONS

Configuration	master
Detector technology	PIR
Mounting method	flush-mounting box
Input voltage	230 Vac ± 10 %, 50 Hz
Detector output	DALI Broadcast/DALI Addressable
Light intensity range	20 lux – 2000 lux, ∞
Switch-off delay	pulse, 30 s – 2 h, ∞
Detection angle	360°
Detection range (PIR)	ø 12 m from a height of 3 m
Ambient temperature	-25 – +40 °C
Mounting height	2 – 3.5 m
Marking	CE
Protection degree	IP20

Proposed functionalities description according to BIPS 4.7.10

Mounting method

The detector is suitable for mounting in a standard flush-mounting box (50 or 79 mm diagonal screw distance).

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. No additional configuration tools are required. The settings can be stored as a template for other detectors. The firmware of the detector can be updated via the app.

Configuration

The detector is DALI-2 certified (in accordance with IEC 62386). It supports DALI broadcast and DALI addressable, meaning a unique address can be assigned to each DALI device on the DALI bus. The DALI devices can be connected at random to the DALI bus, regardless of wiring and the subsequent configuration of daylight zones. DALI devices can be added subsequently, and their configuration can be modified without changing the wiring.

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. 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 on an online portal. This portal also allows to store, review and share settings in PDF and/or Excel format. The detectors can be organised into specific projects or groups. Existing detector settings can be used as a template for new detectors.

Detection range

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

Manual control with 230 V inputs

A 230 V input wired to the detector can perform different actions: switch the light ON/OFF, switch only ON or dim manually. The 230 V input can control one or more zones.

Orientation lights

The lights can be set at a lower level when there is no movement detected in the zone. 3 seconds after the switch-off delay has expired, the light will dim down to the orientation light level. The orientation light switch-off delay defines the time during which the orientation lights will dim down to a preconfigured light level between 1 % and 50 %. When the time has expired, the orientation lights will switch off entirely.

Automatic ballast replacement

A (defective) DALI ballast/driver can be replaced without reconfiguration. The new DALI device will automatically copy the settings of the replaced device.

Expansion of the detection area

The detection range of the master detector can be expanded with several secondary detectors.

Daylight control when dimming manually

The light in the daylight zones can be dimmed up or down manually. When the dimming is stopped, the new temporary lux level is stored in the detector. The light will from then on be daylight controlled according to the new lux level. When the light is switched OFF manually or automatically, the original lux level setting is reactivated.

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.

Daylight zones

The detector automatically calibrates daylight zones in function of the lux level in each daylight zone and the reflections in the room. The calibration can be activated manually.