Presence detector P49LR, DALI-2, BMS, 32-37 m, for flush mounting (SnapFit), WAGO WINSTA® MIDI 2 m cable with 5-pol. connector, white

353-751521-1

4 year warranty



BMS DETECTOR, LONG RANGE, FOR FLUSH MOUNTING

This DALI-2 certified BMS detector can be integrated into building management systems together with third-party DALI-2 application controller.

OPTIMISE THE DALI SYSTEM WITH LOWER CURRENT CONSUMPTION

This detector is specifically designed for low current consumption, which optimises the total number of devices in a DALI system. By disabling the wireless Bluetooth® communication, current consumption can be minimised even further.

ACCURATE LIGHTING CONTROL

The detector is equipped with an integrated PIR sensor for DALI-2 commands according to IEC62386-303, as well as a light sensor for DALI-2 commands according to IEC62386-304 for measuring the light level. The light sensor operates in two ranges: 0 – 1023 lux and 0 – 10360 lux, ensuring flexible and accurate lighting control.

ADVANTAGES OF DALI-2 BMS DETECTORS

This detector is perfect for buildings with high demands on energy efficiency and comfort. It is typically used to automate lighting control, heating, ventilation and air conditioning (HVAC).

SAVE TIME ON INSTALLATION WITH SNAPFIT AND GET RELIABLE RANGE ACCORDING TO IEC63180

The unique SnapFit system ensures a quick and stable installation in all types of suspended ceilings with or without removable tiles. It is easy and quick to install the detector with a simple turn-and-click movement, which saves both time and effort during installation and disassembly. The detector is prewired with a 2 m cable and a 5-pole female connector that is unique, which helps to avoid installation errors and save time. The detection range of the P40 and M40 series is tested and documented by an independent third-party laboratory in a controlled environment, following the IEC63180 standard. Automated, repeated testing ensures consistent reliability and high precision.

FUNCTIONS

- Detection range: ø 37 m at a mounting height of 3 m
- Adjustable PIR sensitivity (4 levels) in 3 x 120°
- Sensitivity settings via Niko detector tool app or the BMS software, can be locked with PIN code
- Wireless Bluetooth® communication can be disabled via BMS software

EASY COMMISSIONING

- Communication with the overall BMS system takes place via the DALI bus
- Configuration and settings via BMS software

This article is protected by at least one patent (or patent application). For more info on patents, see www.niko.eu/innovation.

- Easy installation thanks to the direct connection to the DALI bus
- Communication with the BMS system via the DALI bus
- Power supply via the DALI bus
- SnapFit mounting bracket for easy and stable mounting in all types of suspended ceilings with or without removable tiles
- The detector is prewired with a 2 m cable and a 5-pole female connector that is unique, which helps to avoid installation errors and save time.
- User-friendly app for settings (iOS/Android) or BMS software
- Communication between smartphone and detector via Bluetooth®
- Possible to disable Bluetooth® communication
- Pre-configured functions:
- Settings and configuration can be locked with a PIN-code

Technical data

Presence detector P49LR, DALI-2, BMS, 32-37 m, for flush mounting (SnapFit), WAGO WINSTA® MIDI 2 m cable with 5-pol. connector, white.

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- User-friendly app for settings (iOS/Android) or BMS software
- Communication between smartphone and detector via Bluetooth®
- Possible to disable Bluetooth® communication
- Pre-configured functions:
  - adjustable PIR sensitivity (4 levels)
  - event log keeps track of recent changes
- Settings and configuration can be locked with a PIN-code
- Commissioning method 1: app
- Commissioning method 2: BMS software
- Detection technology: PIR
- Input voltage: 30 Vdc via DALI-bus
- Detector output: DALI-2
- Detection range (PIR): ø 37 m from a height of 3 m
- Minimum ambient temperature: 25 °C

- Maximum ambient temperature: 40 °C
- Usage environment: indoor
- Colour RAL (approximately): 9010
- Dimensions (HxWxD): 120 mm x 120 mm x 99.1 mm
- Dimensions visible (HxWxD): 100 mm x 100 mm
- Modification of settings: Niko detector tool app (iOS-Android) and BMS software
- Type of cable:
  - cable colour: black
  - length: 2 m
  - wire cross-section: 1,5 mm²
  - voltage: 250 V
  - rated current: 16 A
  - halogen-free: yes
  - ambient temperature: -5 – +40 °C
  - type of connector: male, 5-pole, blue
- Cable fire class: Cca
- Protection degree standalone: IP20
- Impact resistance: IK04
- Protection class: Class II device: SELV (safety extra low voltage), independent device
- Halogen-free: yes

Wiring diagram

