# Presence detector P48MR, DALI-2, master, 12-13 m, IP54, for surface mounting, white

**353-652421**

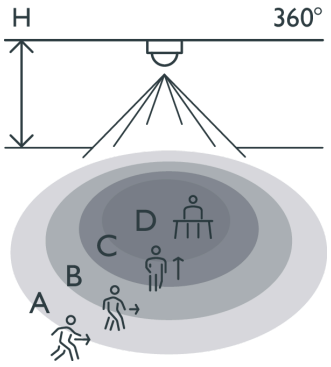
4 year warranty

DALI-2 | master | IP54 | N.O. (max. 10 A), potential-free | 20 lx – 2,000 lx | 360° | 12 m from a height of 3 m

2 m – 3.5 m | surface-mounting | Bluetooth® Low Energy



## Detection range




| H | A Walking | B Across | C Towards | D Presence |
|---|---|---|---|---|
| 2.5 m | ⌀ 13 m | ⌀ 11 m | ⌀ 3 m | ⌀ 5 m |
| 3.0 m | ⌀ 12 m | ⌀ 12 m | ⌀ 3 m | ⌀ 5 m |

Measured according to EN/IEC63180

This presence detector is a DALI-2 master for DALI lighting control in up to 4 zones. The detector is fitted with multiple functions and can be controlled wirelessly by push buttons. It is designed for surface mounting and has an IP54 protection degree. The lighting zones are defined during commissioning, using the Niko detector tool app and 2-way Bluetooth® communication between a smartphone and the detector.

Colour: white

Compatible secondary detectors: 353-650021, 353-651021, 353-652021, 353-750021, 353-751021, 353-752021, 353-852011

Compatible controls: 170-00005, 170-00015, 170-70015, 170-70005, 360-21001

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

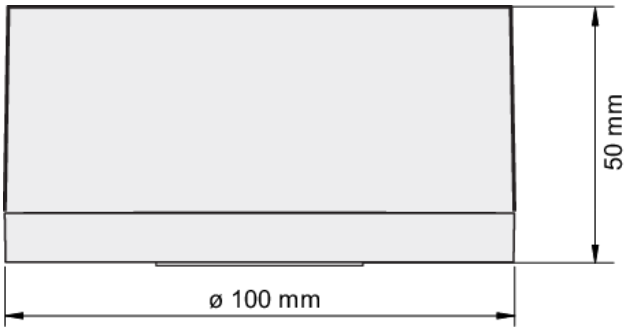
- Surface mounting
- Lighting control in up to 4 zones (daylight controlled)
- Lighting zones can be controlled wirelessly by push buttons
- Quick cabling using screwless and easily accessible plug-in terminals
- Commissioning using app (iOS/Android) and 2-way Bluetooth® communication
- Supports DALI broadcast (default) and DALI addressable (up to 64 devices)

- Pre-configured functions:
- DALI lighting control can be overridden with a 230 V push button - different options available
- External DALI-2 input devices via DALI bus - up to 64 devices
- External trigger can be connected e.g. security alarm
- Web based portal solution for backing up and exchanging configuration files
- Settings and configuration can be locked with a PIN code
- IP54 protection degree

## Technical features

| | |
|---|---|
| Compatible secondary detectors | 353-650021, 353-651021, 353-652021, 353-750021, 353-751021, 353-752021, 353-852011 |
| Compatible controls | 170-00005, 170-00015, 170-70015, 170-70005, 360-21001 |
| Configuration | master |
| Input voltage | 230 Vac ±10%, 50 Hz |
| Detector output | DALI Broadcast/DALI Addressable |
| Maximum startup time DALI | <1.2 s |
| Maximum PIR detection startup time | 1 min 10 s |
| Switch-off delay | pulse, 30 s – 2 h, ∞ |
| Maximum power consumption | 0.65 W |
| Maximum MCB rating | 16 A (limited by national installation rules) |
| Detection angle | 360 ° |
| Detection range (PIR) | 12 m from a height of 3 m |
| Minimum ambient temperature | -25 °C |
| Maximum ambient temperature | +40 °C |
| Mounting method | surface mounting |
| Mounting height | 2 m – 3.5 m |
| Colour | white |
| Colour RAL (approximately) | 9010 |
| Dimensions visible (HxWxD) | 100 mm x 100 mm |
| Dimensions (HxWxD) | 100 mm x 100 mm x 50 mm |
| Maximum range Bluetooth® (free field, depending on the device) | 50 m |
| Operating frequency | 2.4 GHz |
| Maximum radio frequency power | -2 dBm |
| Protection degree standalone | IP54 |
| Impact resistance | IK02 |
| Modification of settings | Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication |
| Halogen-free | yes |
| Certificates marks | CE |

## Dimensions




## Wiring diagram

