

# Presence detector P47MR, DALI-2, master, 12-13 m, for flush mounting (SnapFit), white

353-651321

4 year warranty

This flat and discrete presence detector is a DALI-2 master detector for DALI lighting control in up to 3 daylight zones. The SnapFit mounting bracket ensures a quick and stable mounting in all types of suspended ceilings with or without removable tiles. The lighting zones are defined during commissioning, using the Niko detector tool app and 2-way Bluetooth® communication between a smartphone and the detector.

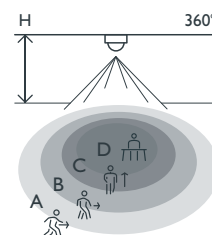
Finishing colour: white

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

- Flat and discrete design
- Daylight control in 1-3 daylight zones
- SnapFit mounting bracket for easy and stable mounting in all types of suspended ceilings with or without removable tiles
- Quick cabling using screwless and easily accessible plug-in terminals
- Screwless strain relief and screwless installation of cable cover
- User-friendly app for settings (iOS/Android)
- 2-way Bluetooth® communication ensures quick modification of settings and live feedback in the app
- Supports DALI broadcast (default) and DALI addressable
- Pre-configured functions:
  - auto configuration when replacing one DALI ballast/DALI device
  - orientation light
  - adjustable power-on level when daylight control is disabled
  - adjustable PIR sensitivity (4 levels)
  - tunable white third-party integration
  - event log keeps track of recent changes
- DALI lighting control can be overridden with a 230 V push button - different options available
- Suitable for controlling up to 64 DALI devices (consider guaranteed current on the DALI bus) (consider guaranteed current on the DALI bus)
- Settings and configuration can be locked with a PIN code
- Web based portal solution for backing up and exchanging configuration files
- Suitable for BMS integration



## Detection range



| H     | A<br>Walking | B<br>Across | C<br>Towards | D<br>Presence |
|-------|--------------|-------------|--------------|---------------|
| 2.5 m | ø 13 m       | ø 11 m      | ø 3 m        | ø 5 m         |
| 3.0 m | ø 12 m       | ø 12 m      | ø 3 m        | ø 5 m         |

Measured according to EN/IEC6180



Bluetooth®



DALI-2



master



360°



ø 12 m from  
a height of  
3 m



2 – 3.5 m



flush-  
mounting  
(SnapFit)

**niko**

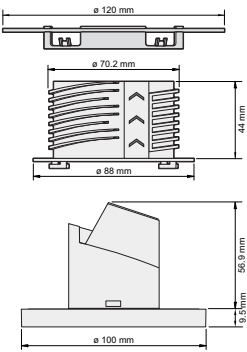
## Technical data

|                                                                |                                                                                    |
|----------------------------------------------------------------|------------------------------------------------------------------------------------|
| Article number                                                 | 353-651321                                                                         |
| Compatible secondary detectors                                 | 353-650021, 353-651021, 353-652021, 353-750021, 353-751021, 353-752021, 353-852011 |
| Input voltage                                                  | 230 Vac $\pm$ 10 %, 50 Hz                                                          |
| Detector output                                                | DALI Broadcast/DALI Addressable                                                    |
| Maximum power consumption                                      | 0.5 W                                                                              |
| Maximum MCB rating                                             | 16 A (limited by national installation rules)                                      |
| Short circuit behaviour shutdown trigger                       | voltage below 12 V, exceeding 1.3 s                                                |
| Short circuit behaviour restart period                         | every 14 s until success                                                           |
| Maximum voltage on the DALI bus                                | 15 Vdc                                                                             |
| Maximum guaranteed current on the DALI bus                     | 100 mA                                                                             |
| Maximum supply current                                         | 250 mA                                                                             |
| Maximum startup time DALI                                      | < 1200 ms                                                                          |
| Maximum PIR detection startup time                             | 1 min 10 s                                                                         |
| Light intensity range                                          | 20 lux – 2000 lux, $\infty$                                                        |
| Maximum number of control gear on the DALI bus                 | 64                                                                                 |
| Maximum number of dimmable zones                               | 3                                                                                  |
| Switch-off delay                                               | pulse, 30 s – 2 h, $\infty$                                                        |
| Detection angle                                                | 360 °                                                                              |
| Detection range (PIR)                                          | $\varnothing$ 12 m from a height of 3 m                                            |
| Ambient temperature                                            | -25 – +40 °C                                                                       |
| Mounting method                                                | flush-mounting (SnapFit)                                                           |
| Mounting height                                                | 2 – 3.5 m                                                                          |
| Drill diameter                                                 | 76 mm                                                                              |
| Minimum flush-mounting depth                                   | 56.9 mm                                                                            |
| Colour                                                         | white (approximately RAL 9010)                                                     |
| Dimensions visible (HxWxD)                                     | 100 x 100 x 9.5 mm                                                                 |
| Dimensions (HxWxD)                                             | 120 x 120 x 66.4 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                                              | IP20                                                                               |
| Impact resistance                                              | IK02                                                                               |
| Modification of settings                                       | Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication            |
| Halogen-free                                                   | yes                                                                                |
| Marking                                                        | CE                                                                                 |

## Accessories

|            |                                                                                  |
|------------|----------------------------------------------------------------------------------|
| 353-990992 | Deco ring for flush-mounted P4XMR and M4XMR detectors, black                     |
| 353-991901 | Spring clips for flush-mounted P4XMR, P4XLR, M4XMR and M4XLR detectors (SnapFit) |

# Dimensions



# Wiring diagram

