

# Presence detector P46LR, DALI-2, secondary - BMS, 32-37 m, for flush-mounting box, white

353-750021

4 year warranty

This presence detector is a DALI-2 secondary and BMS detector that extends the detection range of a DALI master detector or as part of a BMS system. The detector is specially designed for mounting in a standard flush-mounting box (60 or 79 mm diagonal screw distance). If the detector is used as a secondary detector and connected to a DALI bus controlled by a DALI master detector, it will start communicating with this master detector without further commissioning. If it is connected to the DALI bus of a BMS system, the detector needs to be commissioned with the BMS software. The detector's settings can be modified using the Niko detector tool app and 2-way Bluetooth® communication between a smartphone and the detector or using the BMS software.

Finishing colour: white

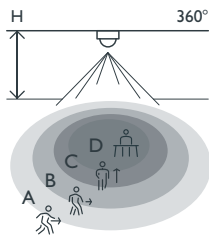
Compatible master detectors: 353-650321, 353-651321, 353-651421, 353-652321, 353-652421, 353-750321, 353-751321, 353-751421, 353-752321, 353-752421, 353-852411

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

- Easy installation thanks to the direct connection to the DALI bus
- Communication with the master or BMS system via the DALI bus
- Power supply via the DALI bus
- Easy mounting in a standard European-flush mounting box
- Quick cabling using screwless and easily accessible plug-in terminals
- User-friendly app for settings (iOS/Android) or BMS software
- 2-way Bluetooth® communication ensures quick modification of settings and live feedback in the app
- Fitted with three PIR segments, each covering 120°
- Pre-configured functions:
  - adjustable PIR sensitivity (4 levels) in 3 x 120°
  - one or more PIR segments can be disabled
  - event log keeps track of recent changes
- Settings and configuration can be locked with a PIN-code



Detection range



| H     | A<br>Walking | B<br>Across | C<br>Towards | D<br>Presence |
|-------|--------------|-------------|--------------|---------------|
| 2.5 m | ø 32 m       | ø 28 m      | ø 10 m       | ø 8 m         |
| 3.0 m | ø 37 m       | ø 30 m      | ø 8 m        | ø 5 m         |
| 3.5 m | ø 48 m       | ø 42 m      | ø 8 m        | ø 6 m         |

Measured according to EN/IEC63180



Bluetooth®



DALI-2



secondary -  
BMS



360°



ø 37 m from  
a height of  
3 m



2 – 3.5 m



flush-  
mounting  
box

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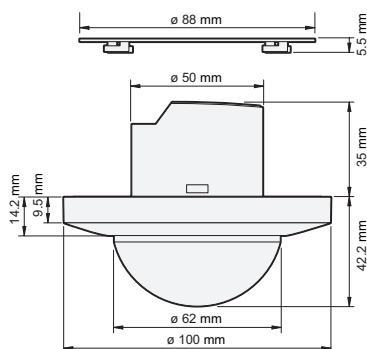
## Technical data

|  |  |
|--|--|
| Article number   | 353-750021   |
| Compatible master detectors                                    | 353-650321, 353-651321, 353-651421, 353-652321, 353-652421, 353-750321, 353-751321, 353-751421, 353-752321, 353-752421, 353-852411 |
| Configuration  | secondary - BMS  |
| Input voltage  | via the DALI bus   |
| Detector output  | DALI-2   |
| Maximum current consumption                                    | 28.1 mA  |
| Nominal current consumption (12 V, 25°C), Bluetooth® enabled   | 8.1 mA   |
| Nominal current consumption (12 V, 25°C), Bluetooth® disabled  | 5 mA   |
| Maximum MCB rating   | 16 A (limited by national installation rules)  |
| Maximum startup time DALI                                      | < 1200 ms  |
| Maximum PIR detection startup time                             | 1 min 10 s   |
| Light intensity range  | 0 lux – 10360 lux  |
| Detection angle  | 360°   |
| Detection range (PIR)  | ø 37 m from a height of 3 m  |
| Ambient temperature  | -25 – +40 °C   |
| Mounting method  | flush-mounting box   |
| Mounting height  | 2 – 3.5 m  |
| Colour   | white (approximately RAL 9010)   |
| Dimensions visible (HxWxD)                                     | 100 x 100 x 42.2 mm  |
| Dimensions (HxWxD)   | 100 x 100 x 77.2 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  | IK04   |
| Modification of settings                                       | Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication - BMS software   |
| Halogen-free   | yes  |
| Marking  | CE   |

## Accessories

|            |  |
|------------|--|
| 353-999879 | Lens cover for P4XLR, M4XLR and M4XHC detectors transparent (5 pieces) |
| 353-991992 | Deco ring for flush-mounted P4XLR and M4XLR detectors, black           |

## Dimensions



## Wiring diagram

