

# Presence detector P42LR, 230 V, master, 32-37 m, for flush-mounting box, white

353-700121



4 year warranty

Bluetooth

230 V

master

IP20

N.O. (max. 10 A), potential-free

20 lx – 2,000 lx

360°

ø 37 m from a height of 3 m

2 m – 3.5 m

flush-mounting box

Bluetooth® Low Energy

This presence detector is a 1-channel master detector with a large detection range for automatic lighting control. The detector is fitted with multiple functions and can be controlled wirelessly by push buttons. The detector is specially designed for mounting in a standard flush-mounting box (60 or 79 mm diagonal screw distance). The detector's settings can be modified using the Niko detector tool app and 2 way Bluetooth® communication between a smartphone and the detector.

Colour: white

Compatible secondary detectors: 353-600021, 353-601021, 353-602021, 353-700021, 353-701021, 353-702021, 353-802011

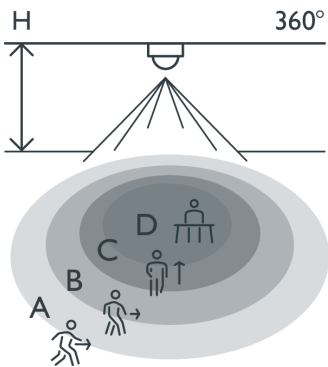
Compatible controls: 170-00005, 170-00015, 170-70015, 170-70005, 360-21001

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

- Easy mounting in a standard flush-mounting box (60 or 79 mm diagonal screw distance)
- Quick cabling using screwless and easily accessible plug-in terminals
- User-friendly app for commissioning (iOS/Android)
- 2-way Bluetooth® communication ensures quick modification of settings and live feedback in the app
- Fitted with three PIR segments, each covering 120°



### 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



- Pre-configured functions:
- Detection range can be increased using up to 10 secondary detectors
- Wireless communication between master and secondary detectors with a repeater function
- Robust potential-free relay
- Automatic lighting control can be overridden with a 230 V push button - different options available
- Settings and configuration can be locked with a PIN code
- Web based portal solution for back up and distribution of configuration files

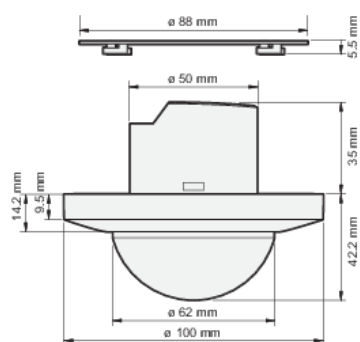
## Technical features

|                                                                |                                                                                    |
|----------------------------------------------------------------|------------------------------------------------------------------------------------|
| Compatible secondary detectors                                 | 353-600021, 353-601021, 353-602021, 353-700021, 353-701021, 353-702021, 353-802011 |
| Compatible controls                                            | 170-00005, 170-00015, 170-70015, 170-70005, 360-21001                              |
| Configuration                                                  | master                                                                             |
| Input voltage                                                  | 230 Vac                                                                            |
| Detector output                                                | 230 V (ON/OFF)                                                                     |
| Switch-off delay                                               | pulse, 15 s – 2 h, ∞                                                               |
| Maximum power consumption                                      | 0.2 W                                                                              |
| Maximum MCB rating                                             | 16 A (limited by national installation rules)                                      |
| Detection angle                                                | 360 °                                                                              |
| Detection range (PIR)                                          | ø 37 m from a height of 3 m                                                        |
| Minimum ambient temperature                                    | -25 °C                                                                             |
| Maximum ambient temperature                                    | +40 °C                                                                             |
| Mounting method                                                | flush-mounting box                                                                 |
| 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 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 standalone                                   | IP20                                                                               |
| Impact resistance                                              | IK04                                                                               |
| Modification of settings                                       | Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication            |
| Halogen-free                                                   | yes                                                                                |
| Certificates marks                                             | CE                                                                                 |

## Accessories

|            |                                                                        |
|------------|------------------------------------------------------------------------|
| 353-999879 | Lens cover for P4XLR, M4XLR and M4XHC detectors transparent (5 pieces) |
| 353-991991 | Deco ring for flush-mounted P4XLR and M4XLR detectors, white           |
| 353-991992 | Deco ring for flush-mounted P4XLR and M4XLR detectors, black           |

## Dimensions



## Wiring diagram

