

# Presence detector P42LR, 230 V, master, 32-37 m, for flush mounting (SnapFit), Wieland gesis® 2 x 2 m cable with 3-pol. connectors, white

353-701121-4

4 year warranty

This presence detector is a 1-channel master detector for automatic lighting control. The SnapFit mounting system guarantees fast and stable installation. The detector is premounted with 2 cables and 3-pole male and female connectors that are each unique, which helps to avoid installation errors and save time.

This P42 230 V master detector with two cables is suitable for lighting control in hallways, printer rooms, toilets and storage rooms. It is used in installations with standard daylight control applications, mainly with automatic ON/OFF function:

- Preprogrammed for automatic ON/OFF
- Preprogrammed settings can be changed via the Niko detector tool app and 2-way Bluetooth® communication (e.g. lux and switch-off time delay)

Lighting control can be overridden with a wireless and battery-free Bluetooth® push button.  
Finishing colour: white

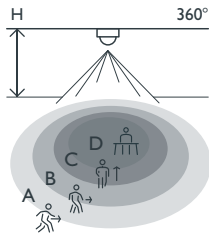
Compatible controls: 360-21001

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).

- 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 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°
- 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
- 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 backing up and exchanging configuration files



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®



230 V



master



360°



ø 37 m from  
a height of  
3 m



2 – 3.5 m



flush-  
mounting  
(SnapFit)

**niko**

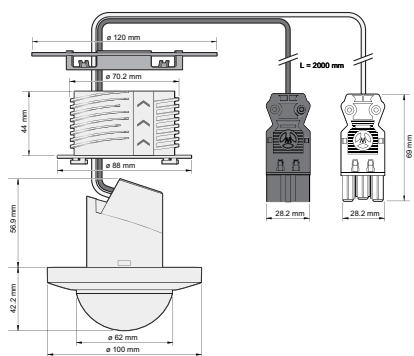
## Technical data

|  |   |
|--|---|
| Article number   | 353-701121 -4   |
| Compatible controls  | 360-21001   |
| Configuration  | master  |
| Input voltage  | 230 Vac $\pm$ 10 %, 50 Hz   |
| Detector output  | 230 V (ON/OFF)  |
| Maximum power consumption                                      | 0.2 W   |
| Maximum MCB rating   | 16 A (limited by national installation rules)   |
| Relay contact  | N.O. (max. 10 A), potential-free  |
| Maximum load incandescent and halogen lamps ( $\cos\phi = 1$ ) | 2300 W  |
| Maximum load fluorescent lamps ( $\cos\phi \geq 0.5$ )         | 1200 VA   |
| Maximum load fluorescent lamps ( $\cos\phi \geq 0.9$ )         | 1200 VA   |
| Maximum load economy lamps (CFLi)                              | 350 W   |
| Maximum load LED lamps 230 V                                   | 350 W   |
| Maximum load LED driver  | 500 VA  |
| Maximum load electronic transformer                            | 500 VA  |
| Maximum capacitive load  | 140 $\mu$ F   |
| Maximum switching current                                      | 165 A/20 ms – 800 A/200 $\mu$ s   |
| Light intensity range  | 20 lux – 2000 lux, $\infty$   |
| Number of channels   | 1 channel   |
| Maximum number of secondary detectors                          | 10  |
| Switch-off delay   | pulse, 15 s – 2 h, $\infty$   |
| Detection angle  | 360°  |
| Detection range (PIR)  | $\varnothing$ 37 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 42.2 mm   |
| Dimensions (HxWxD)   | 120 x 120 x 99.1 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   |
| Halogen-free   | yes   |
| Marking  | CE  |
| Cable specifications   | – cable colour wire 1: black<br>– cable colour wire 2: white<br>– length: 2 m<br>– wire cross section: 1,5 mm <sup>2</sup><br>– voltage: 250 V<br>– rated current: 16 A<br>– halogen-free: yes<br>– ambient temperature: -5 – +70°C<br>– type of connector cable 1: male, 3-pole, black<br>– type of connector cable 2: female, 3-pole, white |

## Accessories

353-999879 Lens cover for P4XLR, M4XLR and M4XHC detectors transparent (5 pieces)

## Dimensions



## Wiring diagram

230 Vac

