

# 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

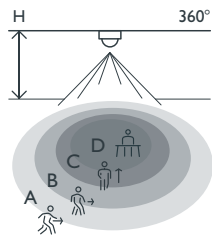
Compatible controls: 360-21001

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 Walking	B Across	C Towards	D 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/IEC61180



Bluetooth®



230 V



master



360°



ø 37 m from  
a height of  
3 m



2 – 3.5 m



flush-  
mounting  
(SnapFit)

**niko**

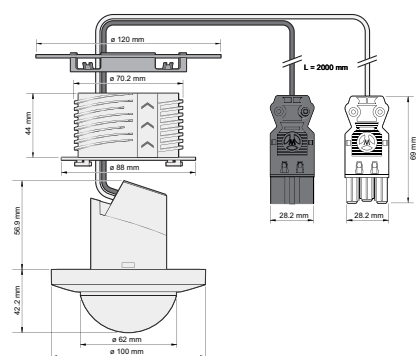
## Technical data

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 – cable colour wire 2: white – length: 2 m – wire cross section: 1,5 mm <sup>2</sup> – voltage: 250 V – rated current: 16 A – halogen-free: yes – ambient temperature: -5 – +70°C – type of connector cable 1: male, 3-pole, black – 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

