

Presence detector P42LR, 230 V, master, 32 – 37 m, for flush mounting (SnapFit), white

353-701121

4 year warranty

This presence detector is a 1-channel master detector with a large detection range for automatic lighting control. The SnapFit mounting bracket ensures a quick and stable mounting in all types of suspended ceilings with or without removable tiles. The detector's settings can be modified using the Niko detector tool app and 2-way Bluetooth® communication between a smartphone and the detector.

Finishing colour: white

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

- 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 | ∅ 32 m | ∅ 28 m | ∅ 10 m | ∅ 8 m |
| 3.0 m | ∅ 37 m | ∅ 30 m | ∅ 8 m | ∅ 4 m |

Measured according to EN/IEC61180



Bluetooth



230 V



master



360°



∅ 37 m from
a height of
3 m



2 – 3.5 m



flush-
mounting
(SnapFit)

niko

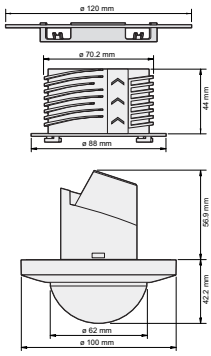
Technical data

| | |
|--|--|
| Article number | 353-701121 |
| Compatible secondary detectors | 353-600021, 353-601021, 353-602021, 353-700021, 353-701021, 353-702021, 353-802011 |
| 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 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 μ F |
| Maximum switching current | 165 A/20 ms – 800 A/200 μ s |
| Light intensity range | 20 lux – 2000 lux, ∞ |
| Number of channels | 1 channel |
| Maximum number of secondary detectors | 10 |
| Switch-off delay | pulse, 15 s – 2 h, ∞ |
| 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 |

Accessories

| | |
|------------|--|
| 353-991992 | Deco ring for flush-mounted P4XLR and M4XLR detectors, black |
| 353-991901 | Spring clips for flush-mounted P4XMR, P4XLR, M4XMR and M4XLR detectors (SnapFit) |

Dimensions



Wiring diagram

