Presence detector P42MR, 230 V, master, 12-13 m, for flush mounting (SnapFit), white

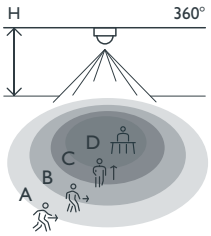
353-601121

4 year warranty

This flat and discrete presence detector is a 1-channel master detector for automatic lighting control. The detector is fitted with multiple functions and can be controlled wirelessly by push buttons. 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
Compatible controls: 170-00005, 170-00015, 170-70015, 170-70005, 360-21001
This article is protected by at least one patent (application). For more info on patents, see www.niko.eu/innovation.

- Flat and discrete design
- 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 settings (iOS/Android)
- 2-way Bluetooth® communication ensures quick modification of settings and live feedback in the app
- Pre-configured functions:
  – adjustable PIR sensitivity (4 levels)
  – 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	⌀ 13 m	⌀ 11 m	⌀ 3 m	⌀ 5 m
3.0 m	⌀ 12 m	⌀ 12 m	⌀ 3 m	⌀ 5 m

Measured according to EN/IEC63180

Bluetooth

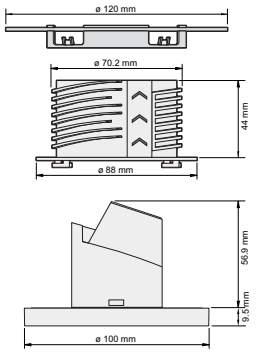
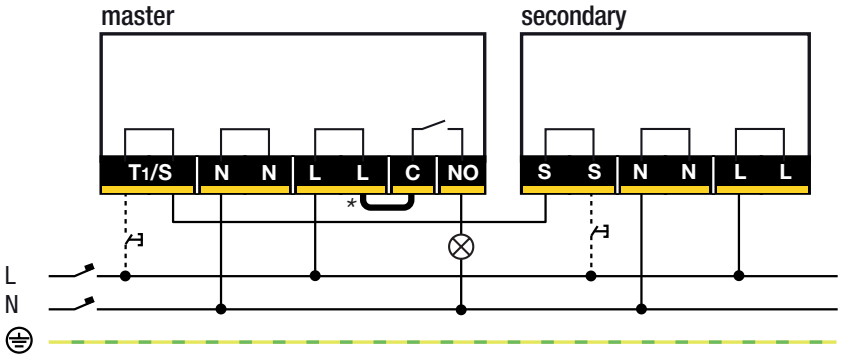
Technical data

Article number	353-601121
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
Input voltage	230 Vac ± 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 ($\cos\varphi = 1$)	2300 W
Maximum load fluorescent lamps ($\cos\varphi \geq 0.5$)	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 μF
Maximum switching current	165 A/20 ms – 800 A/200 μs
Light intensity range	20 lux – 2000 lux, ∞
Number of channels	1 channel
Maximum number of secondary detectors	10
Maximum number of Bluetooth® push buttons	4
Switch-off delay	pulse, 15 s – 2 h, ∞
Detection angle	360°
Detection range (PIR)	ø 12 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 9.5 mm
Dimensions (HxWxD)	120 x 120 x 66.4 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	IK02
Modification of settings	Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication
Halogen-free	yes
Marking	CE

Accessories

353-990992	Deco ring for flush-mounted P4XMR and M4XMR detectors, black
353-991901	Spring clips for flush-mounted P4XMR, P4XLR, M4XMR and M4XLR detectors (SnapFit)

Dimensions



Wiring diagram