

# Presence detector P42MR, 230 V, master, 12-13 m, for flush-mounting box, white

353-600121

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 detector is specially designed for mounting in a standard flush-mounting box (60 or 79 mm 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.

Finishing colour: white

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

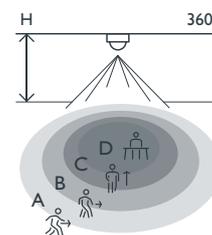
Compatible controls: 170-00005, 170-00015, 170-70015, 170-70005, 360-21001

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

- Flat and discrete design
- 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 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 are available
- Settings and configuration can be locked with a PIN code
- Web based portal solution for back up and distribution of 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



230 V



master



360°



∅ 12 m from  
a height of  
3 m



2 – 3.5 m



flush-  
mounting  
box

**niko**

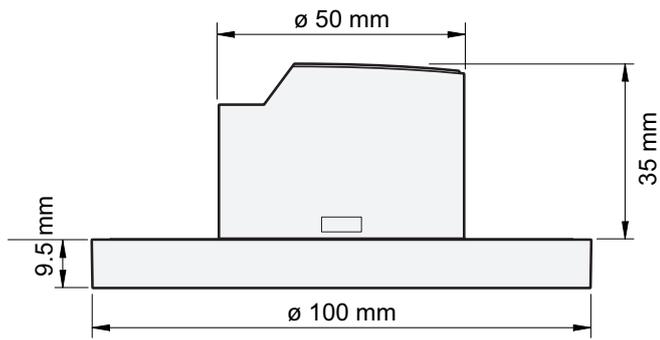
## Technical data

Article number	353-600121
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 $\pm$ 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 $\mu$ 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
Maximum number of Bluetooth® push buttons	4
Switch-off delay	pulse, 15 s – 2 h, $\infty$
Detection angle	360°
Detection range (PIR)	$\varnothing$ 12 m from a height of 3 m
Ambient temperature	-25 – +40 °C
Mounting method	flush-mounting box
Mounting height	2 – 3.5 m
Colour	white (approximately RAL 9010)
Dimensions visible (HxWxD)	100 x 100 x 9.5 mm
Dimensions (HxWxD)	100 x 100 x 44.5 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

353-999869	Lens cover for P4XMR and M4XMR detectors, transparent (5 pieces)
353-990992	Deco ring for flush-mounted P4XMR and M4XMR detectors, black

## Dimensions



## Wiring diagram

