Presence detector P42MR, 230 V, master, 12 – 13 m, IP54, for surface mounting, white

353-602121



This presence detector is a 1-channel master detector for automatic lighting control. The detector is designed for surface mounting and has an IP54 protection degree. The detector's settings can be modified using the Niko detector tool app and 2-way Bluetooth® communication between a smartphone and the detector.

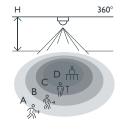
Finishing colour: white

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

- Surface mounting
- Quick cabling using screwless and easily accessible plug-in terminals
- User-friendly app for commissioning (iOS/Android)
- 2-way Bluetooth® communication ensures quick modification of settings and live feedback in the арр
- 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
- Settings and configuration can be locked with a PIN-code
- Web based portal solution for backing up and exchanging configuration files
- IP54 protection degree



Detection range



Н	Α	В	С	D
	Walking	Across	Towards	Presence
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2.5 m	Ø 13 m	Ø 11 m	Ø 3 m	Ø 5 m
3.0 m	Ø 12 m	Ø 12 m	Ø 3 m	Ø 5 m

Measured according to EN/IEC63180



















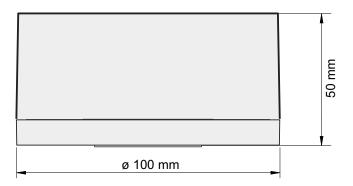


Technical data

Compatible secondary detectors 353-600021, 353-600021, 353-600021, 353-700021, 353-701021 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 (cosφ = 1) 2300 W Maximum load fluorescent lamps (cosφ ≥ 0.5) 1200 VA Maximum load Economy lamps (CFLi) 350 W Maximum load LED lamps 230 V 350 W Maximum load ELED lamps 230 V 350 W Maximum load electronic transformer 500 VA Maximum load electronic transformer 500 VA Maximum capacitive load 140 µF Maximum number of secondary detectors 1 channel Number of channels 1 channel Maximum may be secondary detectors 10 Switch-off delay pulse, 15 s - 2 h, ∞ Detection angle 360 ° Detection angle 360 ° Detection runge (PIR) 9 12 m from a height of 3 m Ambient temperature	Article number	353-602121
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Mounting methodsurface mountingMounting height2 - 3.5 mColourwhite (approximately RAL 9010)Dimensions visible (HxWxD)100 x 100 x 50 mmDimensions (HxWxD)100 x 100 x 50 mmMaximum range Bluetooth® (free field, depending on the device)50 mOperating frequency2.4 GHzMaximum radio frequency power-2 dBmProtection degreeIP54Impact resistanceIK02Modification of settingsNiko detector tool app (iOS-Android) and 2-way Bluetooth® communicationHalogen-freeyes	Detection range (PIR)	ø 12 m from a height of 3 m
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Dimensions visible (HxWxD) Dimensions (HxWxD) Maximum range Bluetooth® (free field, depending on the device) Operating frequency Aximum radio frequency power Protection degree IP54 Impact resistance IK02 Modification of settings Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication Halogen-free yes	Mounting height	2 - 3.5 m
Dimensions (HxWxD) Maximum range Bluetooth® (free field, depending on the device) Operating frequency Aximum radio frequency power Protection degree IP54 Impact resistance IK02 Modification of settings Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication Halogen-free yes	Colour	white (approximately RAL 9010)
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Operating frequency2.4 GHzMaximum radio frequency power-2 dBmProtection degreeIP54Impact resistanceIK02Modification of settingsNiko detector tool app (iOS-Android) and 2-way Bluetooth® communicationHalogen-freeyes	Dimensions (HxWxD)	$100 \times 100 \times 50 \text{ mm}$
Maximum radio frequency power Protection degree IP54 Impact resistance IK02 Modification of settings Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication Halogen-free yes	Maximum range Bluetooth® (free field, depending on the device)	50 m
Protection degree IP54 Impact resistance IK02 Modification of settings Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication Halogen-free yes	Operating frequency	2.4 GHz
Impact resistance IK02 Modification of settings Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication Halogen-free yes	Maximum radio frequency power	-2 dBm
Modification of settings Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication Halogen-free yes	Protection degree	IP54
Communication Halogen-free yes	Impact resistance	IK02
Halogen-free yes	Modification of settings	Niko detector tool app (iOS-Android) and 2-way Bluetooth®
		communication
Marking CE	Halogen-free	yes
	Marking	CE



Dimensions



Wiring diagram

