Presence detector P46MR, DALI-2, secondary - BMS, 12-13 m, IP54, for surface mounting, white

353-652021

4 year warranty

This presence detector is a DALI-2 secondary and BMS detector that extends the detection range of a DALI master detector or can be part of a BMS system. It is designed for surface mounting and has an IP54 protection degree. If the detector is used as a secondary detector and connected to a DALI bus controlled by a DALI master detector, it will start communicating with this master detector without further commissioning. If it is connected to the DALI bus of a BMS system, the detector needs to be commissioned with the BMS software. The detector's settings can be modified using the Niko detector tool app and 2-way Bluetooth® communication between a smartphone and the detector or using the BMS software.
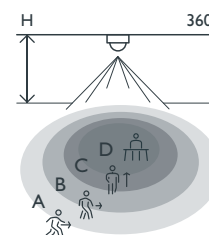Finishing colour: white
Compatible master detectors: 353-650321, 353-651321, 353-651421, 353-652321, 353-652421, 353-750321, 353-751321, 353-751421, 353-752321, 353-752421, 353-852411
This article is protected by at least one patent (application). For more info on patents, see www.niko.eu/innovation.

- Surface mounting
- Easy installation thanks to the direct connection to the DALI bus
- Communication with the master or BMS system via the DALI bus
- Power supply via the DALI bus
- 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) or BMS software
- 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
- Settings and configuration can be locked with a PIN code
- IP54 protection degree

Detection range

H	A Walking	B Across	C Towards	D Presence
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

Bluetooth™   DALI 2

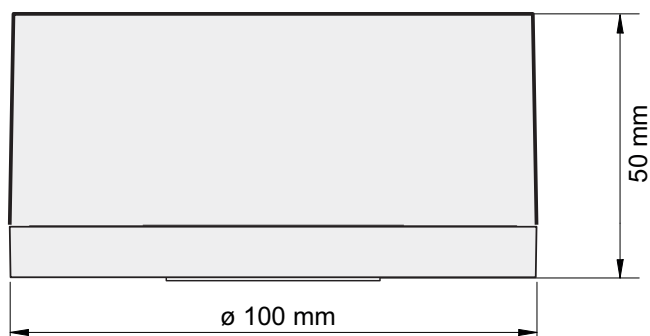| DALI-2 | secondary - BMS | 360° | ø 12 m from a height of 3 m | 2 – 3.5 m | surface mounting |

niko

Technical data

Article number	353-652021
Compatible master detectors	353-650321, 353-651321, 353-651421, 353-652321, 353-652421, 353-750321, 353-751321, 353-751421, 353-752321, 353-752421, 353-852411
Input voltage	via the DALI bus
Detector output	DALI-2
Maximum current consumption	28.1 mA
Nominal current consumption (12 V, 25°C), Bluetooth® enabled	8.1 mA
Nominal current consumption (12 V, 25°C), Bluetooth® disabled	5 mA
Maximum MCB rating	16 A (limited by national installation rules)
Maximum startup time DALI	<1200 ms
Maximum PIR detection startup time	1 min 10 s
Light intensity range	0 lux – 10360 lux
Detection angle	360°
Detection range (PIR)	ø 12 m from a height of 3 m
Ambient temperature	-25 – +40 °C
Mounting method	surface mounting
Mounting height	2 – 3.5 m
Colour	white (approximately RAL 9010)
Dimensions visible (HxWxD)	100 x 100 x 50 mm
Dimensions (HxWxD)	100 x 100 x 50 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	IP54
Impact resistance	IK02
Modification of settings	Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication - BMS software
Halogen-free	yes
Marking	CE

Accessories

353-999869   Lens cover for P4XMR and M4XMR detectors, transparent (5 pieces)

Dimensions

ø 100 mm

50 mm

niko

Wiring diagram

niko