

# Presence detector P46MR, DALI-2, secondary - BMS, 12 – 13 m, for flush mounting (SnapFit), Wieland gesis® 2 m cable with 5-pol. connector, white

353-651021-3

4 year warranty

This flat and discrete presence detector is a DALI secondary and BMS detector that extends the detection range of a DALI master detector or can be part of a DALI-2 BMS system. If the detector is used as a secondary detector and connected to a the 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 settings can be modified using the Niko detector tool app and 2-way Bluetooth® communication. The Snapfit mounting system guarantees fast and stable installation. Moreover, the detector is prewired with a cable and a 5-pole female connector that is unique, which helps to avoid installation errors and save time.

This P46 detector with one cable is suitable for all DALI-2 installations. It can be used to extend the detection range for DALI-2 P47 or P48 master detectors or in combination with a DALI-2 BMS system.

Finishing colour: white

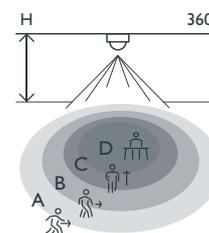
Compatible master detectors: 353-651321-3, 353-651421-3, 353-651421-4, 353-751321-3, 353-751421-3, 353-751421-4

- Flat and discrete design
- 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
- 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) 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

wieland



## 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



DALI-2



secondary - BMS



360°



∅ 12 m from a height of 3 m



2 – 3.5 m



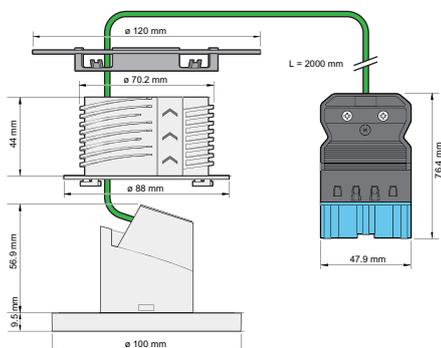
flush-mounting (SnapFit)

**niko**

## Technical data

Article number	353-651021-3
Compatible master detectors	353-651321-3, 353-651421-3, 353-651421-4, 353-751321-3, 353-751421-3, 353-751421-4
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	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 (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 - BMS software
Halogen-free	yes
Marking	CE
Cable specifications	<ul style="list-style-type: none"> <li>– cable colour: green</li> <li>– length: 2 m</li> <li>– wire cross-section: 1,5 mm<sup>2</sup></li> <li>– voltage: 250 V</li> <li>– rated current: 16 A</li> <li>– halogen-free: yes</li> <li>– ambient temperature: -5 – +70C°</li> <li>– type of connector: male, 5-pole, blue</li> </ul>

## Dimensions



## Wiring diagram

