Presence detector P47MR, DALI-2, master, 12-13 m, for flush mounting (SnapFit), Wieland gesis® 2 m cable with 5-pol. connector, white

353-651321-3

4 year warranty

This flat and discrete presence detector is a DALI-2 master for DALI lighting control in up to three dimmable daylight zones. Daylight control can be overridden via wireless and battery-free Bluetooth® push buttons. 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. 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 P47 DALI-2 master detector is used in installations with standard daylight control applications, mainly with an automatic ON/OFF function. It is suitable for lighting control in corridors, offices, classrooms and meeting rooms. The detection range can be extended with P46 DALI-2 secondary detectors with a 2 m cable and connector. Mind the maximum guaranteed current on the DALI bus.

Use distribution box 353-70814 to divide the power distribution to the DALI luminaires over two circuit breakers and achieve a higher security of supply.
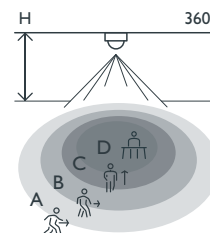
Finishing colour: white

Compatible controls: 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
- Daylight control in 1-3 daylight zones
- 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
- Supports DALI broadcast (default) and DALI addressable
- Pre-configured functions:
  – auto configuration when replacing one DALI ballast/DALI device
  – orientation light
  – adjustable power-on level when daylight control is disabled
  – adjustable PIR sensitivity (4 levels)
  – tunable white third-party integration
  – event log keeps track of recent changes
- DALI lighting control can be overridden with a 230 V push button - different options available
- Suitable for controlling up to 64 DALI devices (consider guaranteed current on the DALI bus) (consider guaranteed current on the DALI bus)
- Settings and configuration can be locked with a PIN code

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 | master | 360° | ø 12 m from a height of 3 m | 2 – 3.5 m | flush-mounting (SnapFit) |

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- Web based portal solution for backing up and exchanging configuration files
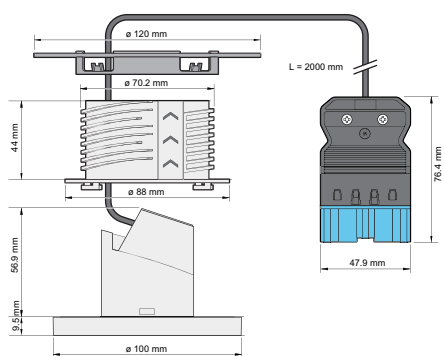- Suitable for BMS integration

Technical data

Article number	353-651321-3
Compatible controls	360-21001
Input voltage	230 Vac ± 10 %, 50 Hz
Detector output	DALI Broadcast/DALI Addressable
Maximum power consumption	0.5 W
Maximum MCB rating	16 A (limited by national installation rules)
Short circuit behaviour shutdown trigger	voltage below 12 V, exceeding 1.3 s
Short circuit behaviour restart period	every 14 s until success
Maximum voltage on the DALI bus	15 Vdc
Maximum guaranteed current on the DALI bus	100 mA
Maximum supply current	250 mA
Maximum startup time DALI	<1200 ms
Maximum PIR detection startup time	1 min 10 s
Light intensity range	20 lux – 2000 lux, ∞
Maximum number of secondary detectors	2
Maximum number of control gear on the DALI bus	64
Maximum number of dimmable zones	3
Switch-off delay	pulse, 20 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
Cable specifications	– cable colour: black
	– length: 2 m
	– wire cross-section: 1,5 mm^2
	– voltage: 250 V
	– rated current: 16 A
	– halogen-free: yes
	– ambient temperature: -5 – +70C°
	– type of connector: male, 5-pole, blue

Accessories

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

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Dimensions

ø 120 mm

L = 2000 mm

ø 70.2 mm

44 mm

ø 88 mm

56.9 mm

9.5 mm

ø 100 mm

76.4 mm

47.9 mm

Wiring diagram

* Wieland Gesis® parts

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