Presence detector P47LR, DALI-2, master, 32-37 m, for flush mounting (SnapFit), Wieland gesis® 2 m cable with 5-pol. connector, white

353-751321-3

4 year warranty

DALI-2 | Bluetooth

DALI-2 | master | IP20 | 20 lx – 2,000 lx | 360° | ø 37 m from a height of 3 m | 2 m – 3.5 m

flush-mounting (SnapFit) | Bluetooth® Low Energy



This 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 DALI-2 master 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 detector is used in installations with standard daylight control applications, mainly with an automatic ON/OFF function. It is suitable for hallways, 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.

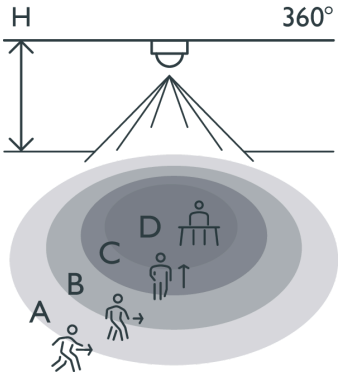
Colour: white

Compatible secondary detectors: 353-650021, 353-651021-3, 353-652021, 353-750021, 353-751021, 353-751021-3, 353-752021, 353-852011

Compatible master detectors:

Compatible controls: 360-21001

Detection range



H	A Walking	B Across	C Towards	D Presence
2.5 m	⌀ 32 m	⌀ 28 m	⌀ 10 m	⌀ 8 m
3.0 m	⌀ 37 m	⌀ 30 m	⌀ 8 m	⌀ 5 m
3.5 m	⌀ 48 m	⌀ 42 m	⌀ 8 m	⌀ 6 m

Measured according to EN/IEC63180

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

- 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 commissioning (iOS/Android)
- 2-way Bluetooth® communication ensures quick commissioning and live feedback in the app
- Supports DALI broadcast (default) and DALI addressable
- Fitted with three PIR segments, each covering 120°
- Pre-configured functions:
- 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)
- Settings and configuration can be locked with a PIN code
- Web based portal solution for backing up and exchanging configuration files

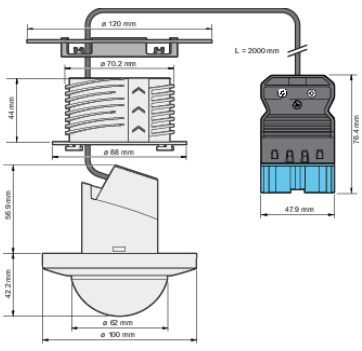
Technical features

Compatible secondary detectors	353-650021, 353-651021-3, 353-652021, 353-750021, 353-751021, 353-751021-3, 353-752021, 353-852011
Compatible controls	360-21001
Configuration	master
Input voltage	230 Vac
Detector output	DALI Broadcast/DALI Addressable
Maximum startup time DALI	<1,200 ms
Maximum PIR detection startup time	70 sec
Switch-off delay	pulse, 20 sec – 7,200 sec, ∞
Maximum power consumption	0.5 W
Maximum MCB rating	16 A (limited by national installation rules)
Detection angle	360 °
Detection range (PIR)	ø 37 m from a height of 3 m
Minimum ambient temperature	-25 °C
Maximum ambient temperature	+40 °C
Mounting method	flush-mounting (SnapFit)
Mounting height	2 m – 3.5 m
Colour	white
Colour RAL (approximately)	9010
Dimensions visible (HxWxD)	100 mm x 100 mm
Dimensions (HxWxD)	120 mm x 120 mm x 99.1 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 standalone	IP20
Impact resistance	IK04
Modification of settings	Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication
Halogen-free	yes

Accessories

353-999879	Lens cover for P4XLR, M4XLR and M4XHC detectors transparent (5 pieces)

Dimensions



Wiring diagram

