Presence detector P46LR, DALI-2, secondary - BMS, 32 – 37 m, for flush mounting (SnapFit), Wieland gesis® 2 m cable with 5-pol. connector

353-751021-3

4 year warranty

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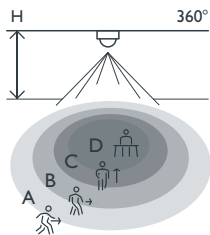
This P46 detector with one cable is suitable for all DALI-2 installations. It can be used to extend the detection range for DALI-2 P47 or P48 master detectors or in combination with a DALI-2 BMS system.

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

- 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
- Fitted with three PIR segments, each covering 120°
- Pre-configured functions:
  – adjustable PIR sensitivity (4 levels) in 3 x 120°
  – one or more PIR segments can be disabled
  – event log keeps track of recent changes
- Settings and configuration can be locked with a PIN code

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Detection range

H	A Walking	B Across	C Towards	D Presence
2.5 m	ø 32 m	ø 28 m	ø 10 m	ø 8 m
3.0 m	ø 37 m	ø 30 m	ø 8 m	ø 4 m

Measured according to EN/IEC63180

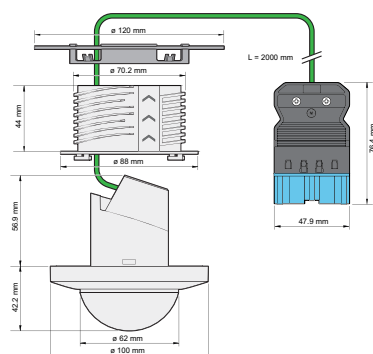Bluetooth™   DALI 2

| DALI-2 | secondary - BMS | 360° | ø 37 m from a height of 3 m | 2 – 3.5 m | flush-mounting (SnapFit) |

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Technical data

Article number	353-751021-3
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 37 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
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	IK04
Modification of settings	Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication - BMS software
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

Dimensions

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Wiring diagram

* Wieland Gesis® parts

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