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

353-651021-1



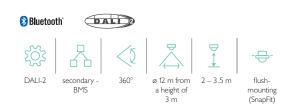
This flat and discrete presence detector is a DALI secondary and BMS detector that extends the detection range of a DALI master detector or can be part of a DALI-2 BMS system. If the detector is used as a secondary detector and connected to a the DALI bus controlled by a DALI master detector, it will 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: 353-651321-1, 353-651421-1, 353-651421-2, 353-751321-1, 353-751421-1, 353-751421-2

- 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



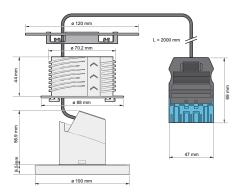


Technical data

75/421-1, 353-75/421-2 National Consumption (2 V, 25°C), Bluetooths enabled (2 V, 25°C), Bluetooths enabled (3 V, 25°C), Bluetooths enabled (3 V, 25°C), Bluetooths enabled (4 V, 25°C), Bluetooths enabled (5 V, 25°C), Bluetooths (5 V, 25°C), Blue	Article number	353-651021-1
Detector output DALI- bus Detector output DALI- bus DALI- and Assimum current consumption 28.1 mA Nominal current consumption (12 V, 25°C), Bluetooths enabled 8.1 mA Nominal current consumption (12 V, 25°C), Bluetooths enabled 5 mA Maximum MCB rating 16 A (limited by national installation rules) Maximum MCB rating 16 A (limited by national installation rules) Maximum PIR detection startup time DALI < 1200 ms Maximum PIR detection startup time DALI	Compatible master detectors	353-651321-1, 353-651421-1, 353-651421-2, 353-751321-1, 353-
Detector output **Askimum current consumption** Nominal current consumption (12 V, 25°C), Bluetooth® enabled Nominal current consumption (12 V, 25°C), Bluetooth® disabled **Askimum MCB rating** **Askimum MCB rating** **Maximum MCB rating** **Maximum BALLI** **Askimum PRG detection startup time **In in 10 s - light intensity range **O lux – 10360 lux -		751421 - 1, 353 - 751421 - 2
Asximum current consumption (12 V, 25°C), Bluetooth® enabled 8.1 mA Nominal current consumption (12 V, 25°C), Bluetooth® enabled 5 mA Maximum RCB rating 16 A (limited by national installation rules) Maximum PIR detection startup time DALI < 1200 ms Maximum PIR detection startup time 0 lux − 10360 lux Asximum PIR detection startup time 1 min 10 s User 10360 lux Detection rangle 0 lux − 10360 lux Detection rangle 360° Detection range (PIR) Ø 12 m from a height of 3 m Ambient temperature − 25 − 4+0 °C Mounting height 0 − 2 − 3.5 m Orll diameter 76 mm Colour white (approximately RAL 9010) Dimensions (HxWxD) 120 x 20 x 66.4 mm Poperating frequency 0 − 2.4 GHz Maximum radio frequency power − 2 dBm Protection degree IP20 Modification of settings Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication - BMS software Halogen-free yes Warking CE - cable colour: black I halogen-free yes - voltage: 250 V - voltage: 250 V - rated current: 16 A - halogen-free yes	Input voltage	via the DALI bus
Nominal current consumption (12 V, 25°C), Bluetooth® enabled 5 mA Mominal current consumption (12 V, 25°C), Bluetooth® disabled 5 mA Maximum MCB rating 16 A (limited by national installation rules) **Maximum PIR detection startup time DALI 1 min 10 s **Joint PIR detection startup time DALI 1 min 10 s Justification angle 10 lux 10360 lux Detection angle 2 360° Detection angle 360° Detection angle 9 12 m from a height of 3 m **Ambient temperature 1 2.5 = +40 °C Mounting method 1 flush-mounting (SnapFit) **Mounting method 1 flush-mounting (SnapFit) **Joint I diameter 76 mm **Joint I diameter 76 mm **Joint I diameter 76 mm *Joint I diameter 77 mm *Joint I diameter 78 mm *Joint I diameter 79 mm *Joint I diameter 90 mm *Joi	Detector output	DALI-2
Nominal current consumption (12 V, 25°C), Bluetooth® disabled 4aximum MCB rating 16 A (limited by national installation rules) 4aximum MCB rating 17 min 10 s 4aximum PIR detection startup time 18 min 10 s 4aximum PIR detection startup time 19 min 10 s 4aximum PIR detection startup time 10 lux – 10360 lux 4aximum PIR detection startup time 20 lux – 10360 lux 4aximum range 4aximum range (PIR) 4aximum range Buletooth® (fush-mounting (SnapFit)) 4aximum range Buletooth® (free field, depending on the device) 4aximum range Bluetooth® (free field, depending on the device) 50 m 4aximum radio frequency 4aximum radio frequency power 4aximum ra	Maximum current consumption	28.1 mA
Maximum MCB rating 16 A (limited by national installation rules) **Asximum MCB rating in EALI < 1200 ms **Asximum PIR detection startup time DALI 1 min 10 s **Imin 10 s *	Nominal current consumption (12 V, 25°C), Bluetooth® enabled	8.1 mA
Maximum startup time DALI Asximum PIR detection startup time 1 min 10 s 1 m	Nominal current consumption (12 V, 25°C), Bluetooth® disabled	5 mA
Maximum PIR detection startup time 1 min 10 s light intensity range 0 lux – 10360 lux Detection angle 360° Detection range (PIR) 912 m from a height of 3 m Ambient temperature 25 – ±40°C Mounting method flush-mounting (SnapFit) Mounting height 2 – 3.5 m Orill diameter 76 mm Minimum flush-mounting depth 56.9 mm Colour white (approximately RAL 9010) Dimensions (HxWxD) 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.d dBm Protection degree IP20 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 - write cross-section: 1,5 mm² - voltage: 250 V - rated current: 16 A - halogen-free: yes	Maximum MCB rating	16 A (limited by national installation rules)
Light intensity range 0 0 ux - 10360 ux 360° 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 Pull 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 Departing frequency 2.4 GHz Maximum radio frequency power 2.2 dBm Protection degree IP20 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 - write cross-section: 1,5 mm² - rated current: 16 A - halogen-free: yes	Maximum startup time DALI	<1200 ms
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 Porll diameter 76 mm Minimum flush-mounting depth 56.9 mm Colour white (approximately RAL 9010) Dimensions (HxWXD) 120 x 66.4 mm Maximum range Bluetooth® (free field, depending on the device) 50 m Operating frequency Maximum radio frequency power -2 dBm Protection degree IP20 mpact resistance IK02 Modification of settings CE Cable specifications - BMS software Halogen-free Ves Carrows - CE Cable specifications - cable colour: black - rested current: 15 mm² - wire cross-section: 1,5 mm² - wire cross-section: 1,5 mm² - wire arcoss-section: 1,5 mm² - wire arcoss-section: 1,5 mm² - rested current: 16 A - halogen-free: yes	Maximum PIR detection startup time	1 min 10 s
Detection range (PIR) ### 12 m from a height of 3 m ### 25 - +40 °C ### 253.5 m ### 25 - 3.5 m ### 26 mm ### 26	Light intensity range	0 lux – 10360 lux
Ambient temperature Mounting method Mounting height 2 - 3.5 m Orill diameter 76 mm Minimum flush-mounting depth Colour Olimensions (HxWxD) Maximum range Bluetooths (free field, depending on the device) Operating frequency Maximum radio frequency power Protection degree Modification of settings Modification of settings Miko detector tool app (iOS-Android) and 2-way Bluetooths communication - BMS software Halogen-free Wes Marking CE Cable specifications - cable colour: black - length: 2 m - wire cross-section: 1,5 mm² - voltage: 250 V - rated current: 16 A - halogen-free: yes	Detection angle	360°
Ambient temperature Mounting method Mounting height 2 - 3.5 m Orill diameter 76 mm Minimum flush-mounting depth Colour Olimensions (HxWxD) Maximum range Bluetooths (free field, depending on the device) Operating frequency Maximum radio frequency power Protection degree Modification of settings Modification of settings Miko detector tool app (iOS-Android) and 2-way Bluetooths communication - BMS software Halogen-free Wes Marking CE Cable specifications - cable colour: black - length: 2 m - wire cross-section: 1,5 mm² - voltage: 250 V - rated current: 16 A - halogen-free: yes	Detection range (PIR)	ø 12 m from a height of 3 m
Mounting height 2 - 3.5 m Orill diameter 76 mm Minimum flush-mounting depth 56.9 mm Colour white (approximately RAL 9010) Dimensions (HxWxD) 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 IMD2 Modification of settings IK02 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 mm² - voltage: 250 V - rated current: 16 A - halogen-free: yes	Ambient temperature	
Mounting height 2 - 3.5 m Orill diameter 76 mm Minimum flush-mounting depth 56.9 mm Colour white (approximately RAL 9010) Dimensions (HxWxD) 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 IMD2 Modification of settings IK02 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 mm² - voltage: 250 V - rated current: 16 A - halogen-free: yes	Mounting method	flush-mounting (SnapFit)
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 Departing frequency 2.4 GHz Maximum radio frequency power 2 dBm Protection degree IP20 mpact resistance IK02 Modification of settings Ikio 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 mm² - voltage: 250 V - rated current: 16 A - halogen-free: yes	Mounting height	
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 IMDEDITEDITEDITEDITEDITEDITEDITEDITEDITEDI	Drill diameter	76 mm
Dimensions (HxWxD) 120 x 120 x 66.4 mm Maximum range Bluetooth® (free field, depending on the device) 50 m Departing frequency 2.4 GHz Aximum radio frequency power -2 dBm Protection degree IP20 IK02 Modification of settings Miko 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 mm² - voltage: 250 V - rated current: 16 A - halogen-free: yes	Minimum flush-mounting depth	56.9 mm
Maximum range Bluetooth® (free field, depending on the device) Departing frequency 2.4 GHz -2 dBm Protection degree IP20 IMAGE Modification of settings Modification of settings Halogen-free Halogen-free Marking CE Cable specifications - cable colour: black - length: 2 m - wire cross-section: 1,5 mm² - voltage: 250 V - rated current: 16 A - halogen-free: yes	Colour	white (approximately RAL 9010)
Departing frequency Askimum radio frequency power Protection degree IP20 IR02 Modification of settings Modification of settings Halogen-free Yes Marking CE Cable specifications - cable colour: black - length: 2 m - wire cross-section: 1,5 mm² - voltage: 250 V - rated current: 16 A - halogen-free: yes	Dimensions (HxWxD)	120 x 120 x 66.4 mm
Maximum radio frequency power -2 dBm Protection degree IP20 IR02 Modification of settings Miko 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 mm² - voltage: 250 V - rated current: 16 A - halogen-free: yes	Maximum range Bluetooth® (free field, depending on the device)	50 m
Protection degree IP20 IR02 IR02 Modification of settings IR02 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 mm² - voltage: 250 V - rated current: 16 A - halogen-free: yes	Operating frequency	2.4 GHz
mpact resistance Modification of settings Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication - BMS software yes Marking CE Cable specifications - cable colour: black - length: 2 m - wire cross-section: 1,5 mm² - voltage: 250 V - rated current: 16 A - halogen-free: yes	Maximum radio frequency power	-2 dBm
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 mm² - voltage: 250 V - rated current: 16 A - halogen-free: yes	Protection degree	IP20
communication - BMS software Halogen-free yes Marking CE Cable specifications — cable colour: black - length: 2 m - wire cross-section: 1,5 mm² - voltage: 250 V - rated current: 16 A - halogen-free: yes	Impact resistance	IKO2
Halogen-free yes Marking CE Cable specifications — cable colour: black - length: 2 m - wire cross-section: 1,5 mm² - voltage: 250 V - rated current: 16 A - halogen-free: yes	Modification of settings	Niko detector tool app (iOS-Android) and 2-way Bluetooth®
Marking CE Cable specifications – cable colour: black - length: 2 m - wire cross-section: 1,5 mm² - voltage: 250 V - rated current: 16 A - halogen-free: yes		communication - BMS software
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	Halogen-free	yes
- length: 2 m - wire cross-section: 1,5 mm ² - voltage: 250 V - rated current: 16 A - halogen-free: yes	Marking	CE
- wire cross-section: 1,5 mm ² - voltage: 250 V - rated current: 16 A - halogen-free: yes	Cable specifications	– cable colour: black
- voltage: 250 V - rated current: 16 A - halogen-free: yes	– length: 2 m	
- rated current: 16 A - halogen-free: yes	- wire cross-section: 1,5 mm ²	
- halogen-free: yes	– voltage: 250 V	
<u> </u>	– rated current: 16 A	
- ambient temperature: $-5 - +40$ C $^{\circ}$	– halogen-free: yes	
	– ambient temperature: $-5 - +40$ C $^{\circ}$	
- type of connector: male, 5-pole, blue	– type of connector: male, 5-pole, blue	



Dimensions



Wiring diagram

