Presence detector P47MR, DALI-2, master, 12-13 m, for flush mounting (SnapFit), white

353-651321

4 year warranty

This flat and discrete presence detector is a DALI-2 master detector for DALI lighting control in up to 3 daylight zones. The SnapFit mounting bracket ensures a quick and stable mounting in all types of suspended ceilings with or without removable tiles. The lighting zones are defined during commissioning, using the Niko detector tool app and 2-way Bluetooth® communication between a smartphone and the detector.

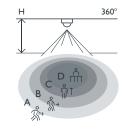
Finishing colour: white

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

- 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:
 - $-\mbox{ auto configuration}$ 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
- Web based portal solution for backing up and exchanging configuration files
- Suitable for BMS integration



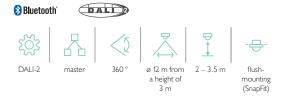
Detection range



Н	Α	В	С	D
	Walking	Across	Towards	Presence
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<u></u>	外	.W. ¬	P) I	$\overline{\Pi}$
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







Technical data

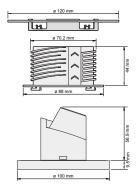
a 353-752021, 353-852011 Input voltage Detector output DALI Proadcast/DALI Addressable Maximum power consumption O.5 W Maximum MCB rating 16 A (limited by national installation rules) Short circuit behaviour restart period every 14 s until success Short direuit behaviour restart period every 14 s until success Short direuit 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 guaranteed current on the DALI bus 110 mA Maximum startup time DALI 4 1200 ms Maximum PIR detection startup time 1 nim 10 s 1 min 1	Article number	353-651321	
Detector output 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 Short circuit behaviour restart period Maximum voltage on the DALI bus Maximum voltage on the DALI bus 15 Vdc Maximum supply current 250 mA Maximum supply current Maximum startup time DALI Maximum placetion startup time 1 min 10 s Light intensity range 20 lux − 2000 lux, ∞ Maximum number of control gear on the DALI bus Maximum number of dimmable zones 3 Switch-off delay Detection angle Detection placetique Mounting height 2 − 3.5 m Mounting height 2 − 3.5 m Minimum flush-mounting depth Colour White (approximately RAL 9010) Dimensions visible (H-WXD) Dimensions	Compatible secondary detectors	353-650021, 353-651021, 353-652021, 353-750021, 353-751021,	
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 suparanteed current on the DALI bus 100 mA Maximum supply current 250 mA Maximum startup time DALI 4 1200 ms Maximum PIR detection startup time 1 min 10 s Light intensity range 20 lux − 2000 lux, ∞ Maximum number of control gear on the DALI bus 64 Maximum number of dimmable zones 3 Switch-off delay Detection angle 260 ° Detection range (PIR) 4 12 m from a height of 3 m Ambient temperature 4 2−3.5 m Mounting nethod flush-mounting (SnapFit) Mounting height 56.9 mm Colour White (approximately RAL 9010) Dimensions visible (H-MWXD) Dimensions visible (H-MWXD) 100 x 100 x 9.5 mm Dimensions (H-MXDD) 4 2 m Grown and power Protection degree IP20 Impact resistance Modification of settings Niko detector tool app (iOS-Android) and 2-way Bluetoothe communication Vess Very 4 s until success 16 A (limited by national installation rules) 16 A (limited by national installation rules) 17 Android and success 18 Communication 18 A (limited by national installation rules) 18 A (limited by national installation rules) 19 A (limited by national installation rules) 19 A (limited by national installation rules) 10 A (100 x 100 x		353-752021, 353-852011	
Maximum power consumption 0.5 W Maximum MCB rating 16 A (limited by national installation rules) 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	Input voltage	230 Vac ± 10 %, 50 Hz	
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 place to the DALI < 1200 ms	Detector output	DALI Broadcast/DALI Addressable	
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Short circuit behaviour restart period Maximum voltage on the DALI bus 15 Vdc Maximum guaranteed current on the DALI bus 100 mA Maximum supply current 250 mA Maximum PIR detection startup time DALI Maximum PIR detection startup time 1 min 10 s Light intensity range 20 lux − 2000 lux, ∞ Maximum number of control gear on the DALI bus 64 Maximum number of dimmable zones Switch-off delay Detection angle Detection range (PIR) Another temperature 425 − +40 °C Mounting height 2 − 3.5 m Mounting height 2 − 3.5 m Minimum flush-mounting depth Colour White (approximately RAL 9010) Dimensions (sible (HxWxD) Dimensions (HxWxD) Dimensions (Free field, depending on the device) Operating frequency Maximum radio frequency power Protection degree myound flush-mounting fine (IPS) Mounting frequency 2.4 GHz Maximum radio frequency power Protection degree myound flush-mounting (IPS) Niko detector tool app (IOS-Android) and 2-way Bluetooths communication Niko detector tool app (IOS-Android) and 2-way Bluetooths communication Vest Mounting frequency Modification of settings	Maximum MCB rating	16 A (limited by national installation rules)	
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	Short circuit behaviour shutdown trigger	voltage below 12 V, exceeding 1.3 s	
Maximum guaranteed current on the DALI bus 100 mA Maximum supply current 250 mA Maximum PIR detection startup time 1 min 10 s Light intensity range 20 lux − 2000 lux, ∞ Maximum number of control gear on the DALI bus 64 Maximum number of dimmable zones 3 Switch-off delay pulse, 30 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 Modification of settings Niko detector tool app (iOS-Android) and 2-way Bluetooths communication Halogen-free yes	Short circuit behaviour restart period	every 14 s until success	
Maximum supply current 250 mA Maximum PIR detection startup time 1 min 10 s Light intensity range 20 lux − 2000 lux, ∞ Maximum number of control gear on the DALI bus 64 Maximum number of dimmable zones 3 Switch-off delay pulse, 30 s − 2 h, ∞ Detection angle 360 ° Detection range (PIR) ø 12 m from a height of 3 m Arnbient 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 Bluetooths communication	Maximum voltage on the DALI bus	15 Vdc	
Maximum startup time DALI <1200 ms	Maximum guaranteed current on the DALI bus	100 mA	
Maximum PIR detection startup time 1 min 10 s Light intensity range 20 lux − 2000 lux, ∞ Maximum number of control gear on the DALI bus 64 Maximum number of dimmable zones 3 Switch-off delay pulse, 30 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 Mrinimum 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 Bluetoothe (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	Maximum supply current	250 mA	
Light intensity range Maximum number of control gear on the DALI bus 64 Maximum number of dimmable zones 3 Switch-off delay Detection angle Detection range (PIR) Armbient temperature Polyametric Mounting method Mounting height 2 − 3.5 m Minimum flush-mounting depth Colour Minimum flush-mounting depth Colour Dimensions visible (HxWxD) Dimensions (HxWxD) Maximum range Bluetooth® (free field, depending on the device) Moperating frequency Maximum radio frequency power Protection degree Modification of settings Modification of settings Halogen-free Well agap row and a page (PIS) Again and a page (PIS	Maximum startup time DALI	<1200 ms	
Maximum number of control gear on the DALI bus 64 Maximum number of dimmable zones 3 Switch-off delay pulse, 30 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 Bluetoothe communication Halogen-free yes	Maximum PIR detection startup time	1 min 10 s	
Maximum number of dimmable zones 3 Switch-off delay pulse, 30 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 Bluetoothe communication Halogen-free yes	Light intensity range	20 lux - 2000 lux, ∞	
Switch-off delay Detection angle Detection range (PIR) Ambient temperature -25 - +40 °C Mounting method Mounting height 2 - 3.5 m Drill diameter 76 mm Minimum flush-mounting depth Colour White (approximately RAL 9010) Dimensions visible (HxWxD) Dimensions (HxWxD) Dimensions (HxWxD) Diperating frequency Aximum range Bluetooth® (free field, depending on the device) Department of the department of the device of the department of the department of the device of the department of the department of the device of the department of the department of the device of the department of the department of the device of the department of the department of the device of the department of the department of the device of the department of the department of the device of the department of the d	Maximum number of control gear on the DALI bus	64	
Detection angle Detection range (PIR) Detection range (PIR) Ambient temperature -25 - +40 °C Mounting method Mounting height 2 - 3.5 m Drill diameter 76 mm Minimum flush-mounting depth Colour White (approximately RAL 9010) Dimensions visible (HxWxD) Dimensions (HxWxD) Dimensions (HxWxD) Maximum range Bluetooth® (free field, depending on the device) Operating frequency Maximum radio frequency power Protection degree IP20 Impact resistance Modification of settings Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication Halogen-free yes	Maximum number of dimmable zones	3	
Detection range (PIR) ### Ambient temperature ### C25 — +40 °C ### Mounting method ### Mounting method ### Mounting height ### 2 — 3.5 m ### Drill diameter ### Minimum flush-mounting depth ### Colour ### White (approximately RAL 9010) ### Dimensions visible (HxWxD) ### Dimensions (HxWxD) ### Dimensions (HxWxD) ### Maximum range Bluetooth® (free field, depending on the device) ### Operating frequency ### Amaimum radio frequency power ### Protection degree ### IP20 ### Image: ### Modification of settings ### Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication ### Uses ### Dimensions (HxWxD) ### Dimensions	Switch-off delay	pulse, 30 s − 2 h, ∞	
Ambient temperature -25 - +40 °C Mounting method flush-mounting (SnapFit) 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) Operating frequency 2.4 GHz Maximum radio frequency power -2 dBm Protection degree IP20 Impact resistance Modification of settings Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication Halogen-free yes	Detection angle	360 °	
Mounting method flush-mounting (SnapFit) 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	Detection range (PIR)	ø 12 m from a height of 3 m	
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	Ambient temperature	-25 - +40 °C	
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	Mounting method	flush-mounting (SnapFit)	
Minimum flush-mounting depth 56.9 mm white (approximately RAL 9010) Dimensions visible (HxWxD) Dimensions (HxWxD) 120 x 120 x 66.4 mm Maximum range Bluetooth® (free field, depending on the device) 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	Mounting height	2 – 3.5 m	
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	Drill diameter	76 mm	
Dimensions visible (HxWxD) Dimensions (HxWxD) 100 x 100 x 9.5 mm 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	Minimum flush-mounting depth	56.9 mm	
Dimensions (HxWxD) 120 x 120 x 66.4 mm Maximum range Bluetooth® (free field, depending on the device) 50 m 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	Colour	white (approximately RAL 9010)	
Maximum range Bluetooth® (free field, depending on the device) 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 Bluetoothe communication Halogen-free yes	Dimensions visible (HxWxD)	$100 \times 100 \times 9.5 \text{ mm}$	
Operating frequency Aximum radio frequency power Protection degree IP20 Impact resistance IK02 Modification of settings Niko detector tool app (iOS-Android) and 2-way Bluetoothe communication Halogen-free yes	Dimensions (HxWxD)	$120 \times 120 \times 66.4 \text{ mm}$	
Maximum radio frequency power -2 dBm Protection degree IP20 Impact resistance IK02 Modification of settings Niko detector tool app (iOS-Android) and 2-way Bluetoothe communication Halogen-free yes	Maximum range Bluetooth® (free field, depending on the device)	50 m	
Protection degree IP20 Impact resistance IK02 Modification of settings Niko detector tool app (iOS-Android) and 2-way Bluetooth communication Halogen-free yes	Operating frequency	2.4 GHz	
Impact resistance IK02 Modification of settings Niko detector tool app (iOS-Android) and 2-way Bluetooth communication Halogen-free yes	Maximum radio frequency power	-2 dBm	
Modification of settings Niko detector tool app (iOS-Android) and 2-way Bluetoothe communication Halogen-free yes	Protection degree	IP20	
communication Halogen-free yes	Impact resistance	IKO2	
Halogen-free yes	Modification of settings	Niko detector tool app (iOS-Android) and 2-way Bluetooth®	
•		communication	
Marking CE	Halogen-free	yes	
	Marking	CE	

Accessories

353-990992	Deco ring for flush-mounted P4XMR and M4XMR detectors, black
353-991901	Spring clips for flush-mounted P4XMR, P4XLR, M4XMR and M4XLR detectors (SnapFit)



Dimensions



Wiring diagram

