Presence detector P47MR, DALI-2, master, 12 – 13 m, for flush-mounting box, white

353-650321

This flat and discrete presence detector is a DALI-2 master detector for DALI lighting control in up to 3 daylight zones. The detector is specially designed for mounting in a standard flush-mounting box (60 or 79 mm screw distance). The lighting zones are defined during commissioning, using the Niko detector tool app and 2-way Bluetooth® communication between a smartphone and the detector.
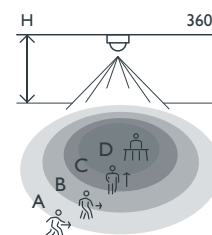Finishing colour: white
Compatible secondary detectors: 353-650021, 353-651021, 353-652021, 353-750021, 353-751021, 353-752021, 353-852011

- Flat and discrete design
- Daylight control in 1-3 daylight zones
- Easy mounting in a standard flush-mounting box (60 or 79 mm screw distance)
- Quick cabling using screwless and easily accessible plug-in terminals
- 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)
- 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

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™   DALI2

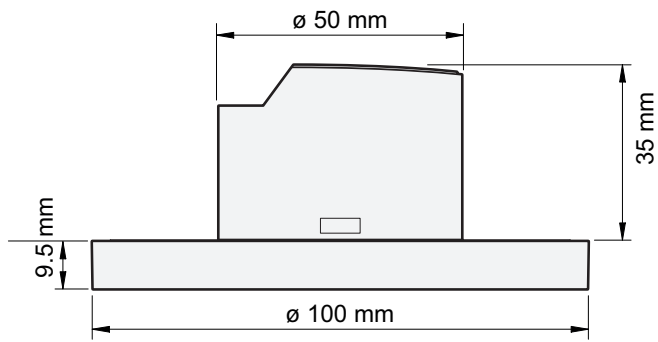| DALI-2 | master | 360 ° | ø 12 m from a height of 3 m | 2 – 3.5 m | flush-mounting box |

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Technical data

Article number	353-650321
Compatible secondary detectors	353-650021, 353-651021, 353-652021, 353-750021, 353-751021, 353-752021, 353-852011
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 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 box
Mounting height	2 – 3.5 m
Colour	white (approximately RAL 9010)
Dimensions visible (HxWxD)	100 x 100 x 9.5 mm
Dimensions (HxWxD)	100 x 100 x 44.5 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

Accessories

353-990992   Deco ring for flush-mounted P4XMR and M4XMR detectors, black

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Dimensions

ø 50 mm

35 mm

9.5 mm

ø 100 mm

Wiring diagram

master						
T1	T1	N	N	L	L	DA+	DA-

secondary			
DA	DA	DA	DA

DALI zone 1				
DA	DA	L	N	⏚

DALI zone 2				
DA	DA	L	N	⏚

DALI zone 3				
DA	DA	L	N	⏚

L
N
DA+
DA-
⏚