Motion detector M49HC, DALI-2, BMS, 18-53 m, for surface mounting, white

353-852511

BMS DETECTOR, HIGH CEILING, FOR SURFACE MOUNTING
This DALI-2 certified BMS detector can be integrated into building management systems together with third-party DALI-2 application controller.

OPTIMISE THE DALI SYSTEM WITH LOWER CURRENT CONSUMPTION
This detector is specifically designed for low current consumption, which optimises the total number of devices in a DALI system. By disabling the wireless Bluetooth® communication, current consumption can be minimised even further.

ACCURATE LIGHTING CONTROL
The detector is equipped with an integrated PIR sensor for DALI-2 commands according to IEC62386-303, as well as a light sensor for DALI-2 commands according to IEC62386-304 for measuring the light level. The light sensor operates in two ranges: 0 – 1023 lux and 0 – 10360 lux, ensuring flexible and accurate lighting control.

ADVANTAGES OF DALI-2 BMS DETECTORS
This detector is perfect for buildings with high demands on energy efficiency and comfort. It is typically used to automate lighting control, heating, ventilation and air conditioning (HVAC).

SAVE TIME ON INSTALLATION AND GET RELIABLE RANGE ACCORDING TO IEC63180
The detector is designed for surface mounting. The screwless and accessible plug-in terminals make the detector easy to install. The detection range of the P40 and M40 series is tested and documented by an independent third-party laboratory in a controlled environment, following the IEC63180 standard. Automated, repeated testing ensures consistent reliability and high precision.

FUNCTIONS
• Detection range: ø 53 m at a mounting height of 12 m
• Adjustable PIR sensitivity (4 levels) in 3 x 120°
• Sensitivity settings via Niko detector tool app or the BMS software, can be locked with PIN code
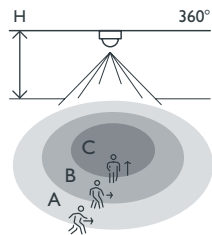• Wireless Bluetooth® communication can be disabled via BMS software

EASY COMMISSIONING
• Communication with the overall BMS system takes place via the DALI bus
• Configuration and settings via BMS software

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

Detection range

H	A Walking	B Across	C Towards
4.0 m	ø 18 m	ø 18 m	ø 11 m
8.0 m	ø 35 m	ø 33 m	ø 23 m
12.0 m	ø 53 m	*	ø 13 m

* not specified
Measured according to EN/IEC63180

Bluetooth™   DALI2

| DALI-2 | BMS | 360° | ø 53 m from a height of 12 m | 4 – 12 m | surface mounting |

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- Surface mounting
- Easy installation thanks to the direct connection to the DALI bus
- Communication with the BMS system via the DALI bus
- Power supply via the DALI bus
- Quick cabling using screwless and easily accessible plug-in terminals
- User-friendly app for settings (iOS/Android) or BMS software
- Communication between smartphone and detector via Bluetooth®
- Possible to disable Bluetooth® communication
- 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
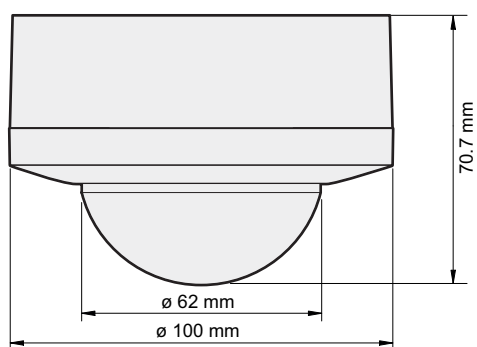- IP54 protection degree

Technical data

Article number	353-852511
Configuration	BMS
Input voltage	via the DALI bus
Detector output	DALI-2
Maximum current consumption	10 mA
Nominal current consumption (12 V, 25°C), Bluetooth® enabled	4 mA
Nominal current consumption (12 V, 25°C), Bluetooth® disabled	3 mA
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 53 m from a height of 12 m
Ambient temperature	-25 – +40 °C
Mounting method	surface mounting
Mounting height	4 – 12 m
Colour	white (approximately RAL 9010)
Dimensions visible (HxWxD)	100 x 100 x 70.7 mm
Dimensions (HxWxD)	100 x 100 x 70.7 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	IP54
Impact resistance	IK03
Modification of settings	Niko detector tool app (iOS-Android) and BMS software
Halogen-free	yes
Marking	CE

Accessories

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

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Dimensions

70.7 mm

ø 62 mm

ø 100 mm

Wiring diagram

BMS

| DA | DA | DA | DA |

DA

DA

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