niko Manual – for flush-mounting box

Presence / Motion detectors
P41/P42/P46/P47/P49/M42 MR/LR



4 year warranty

353-600021	353-650021	353-700021	353-750021
353-600111	353-650321	353-700111	353-750321
353-600121	353-650521	353-700121	353-750521

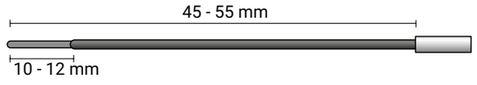
EN	***P41/P42/P46/P47/P49/M42 MR/LR, 360°, for flush-mounting box***
NL	*P41/P42/P46/P47/P49/M42 MR/LR, 360°, voor inbouwdoos*
FR	*P41/P42/P46/P47/P49/M42 MR/LR, 360°, pour boîte d'encastrement*
DE	*P41/P42/P46/P47/P49/M42 MR/LR, 360°, für Unterputzdose*
DK	*P41/P42/P46/P47/P49/M42 MR/LR, 360°, til indbygningsdåse*
SE	*P41/P42/P46/P47/P49/M42 MR/LR, 360°, för infälld dosa*
NO	*P41/P42/P46/P47/P49/M42 MR/LR, 360°, til innfelt monteringsboks*
IT	*P41/P42/P46/P47/P49/M42 MR/LR, 360°, per scatola da incasso*
PL	*P41/P42/P46/P47/P49/M42 MR/LR, 360°, do montażu w puszce podtynkowej*
SK	*P41/P42/P46/P47/P49/M42 MR/LR, 360°, na montáž do zapustenej montážnej krabice*

Installation

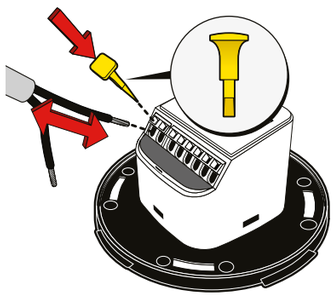
Installatie / Installation / Installation / Installation / Installation / Installasjon / Installazione / Instalacja / Inštalácia

1

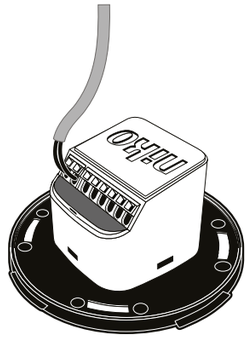
⚠ **230 V – OFF / DALI power – OFF**



a

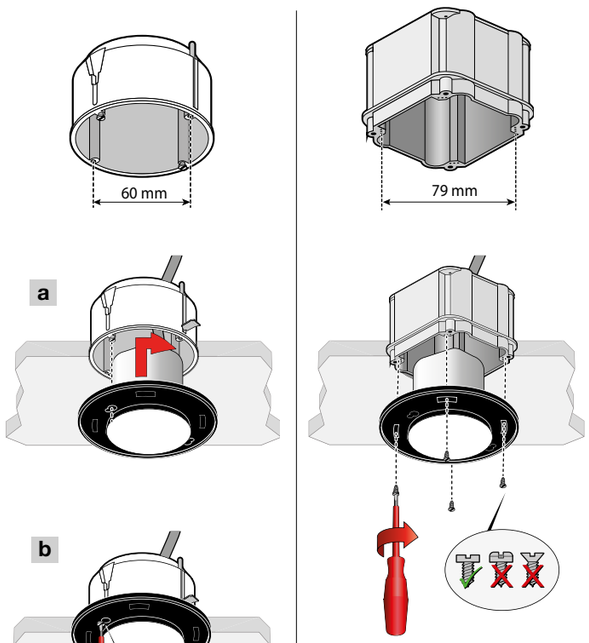


b



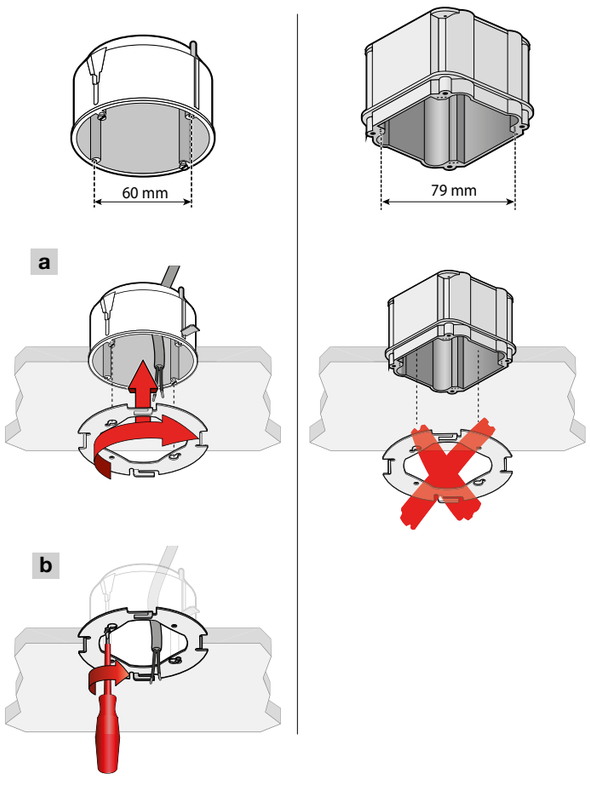
PM353-P4XM4X-FMB

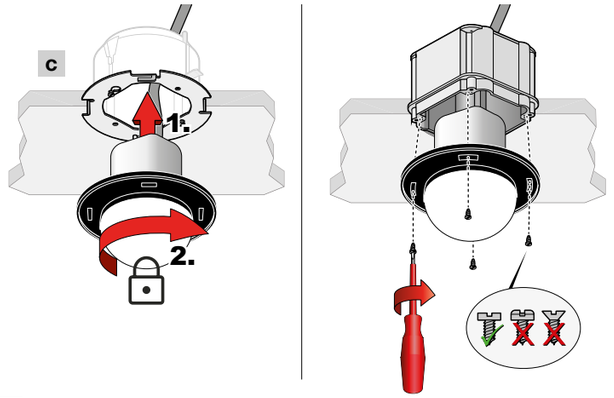
2-1 Medium range (MR)



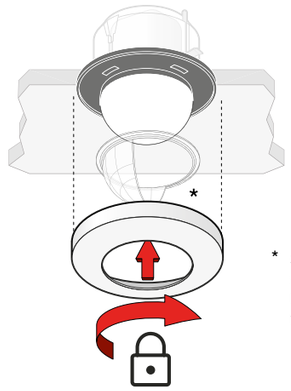
Continue to step 3

2-2 Long range (LR)





3 Medium range (MR) / Long range (LR)



* A lens cover is optional and only suitable for specific detectors.
Check compatibility in the specifications of the lens cover at www.niko.eu

Placement

Plaatsing / Placement / Platzierung / Anbringelse / Placering / Plassering / Sistemazione / Umieszczanie / Umiestnenie

The detector reacts to movement and heat in its surroundings.

Avoid installing it close to heat sources such as stoves, electric heaters, ventilation units, or moving objects such as mobiles or similar items. These may cause false triggering.

Wiring

Aansluitschema / Schéma de raccordement / Verdrahtung / Tilslutningsskema / Kopplingsschema / Ledningstilkopling / Cablaggio / Okablowanie / Inštalácia

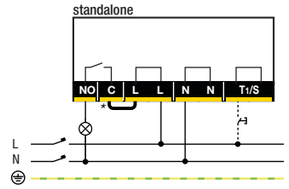
⚠ *This product must be secured with a miniature circuit breaker (MCB) of max. 16 A in the electrical cabinet. The MCB rating is limited by national installation rules.*

230 V detectors

Standalone

⚠ **230 V – OFF**

353-600111, **353-600121**, **353-700111** or **353-700121** acts as standalone detector in the following configuration:

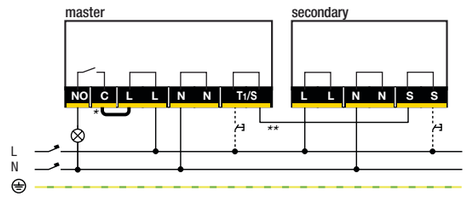


* Remove if you want to use the contact as a dry contact (potential-free)

Master – secondary

⚠ **230 V – OFF**

353-600121 or **353-700121** acts as master detector in the following configuration:



Compatible secondary detectors (flush mounting box): **353-600021**, **353-700021**.
For all compatible articles, see www.niko.eu

* Remove if you want to use the contact as a dry contact (potential-free)

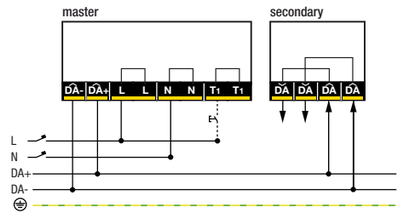
** A wired connection between the master and secondary detector is optional. Choose either the wired connection or communication via Bluetooth®.

DALI detectors

Master – secondary

⚠ **230 V – OFF / DALI power – OFF**

353-650321 or **353-750321** acts as master detector in the following configuration:

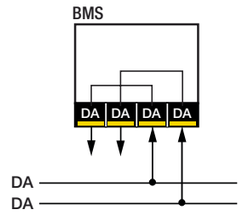


Compatible secondary detectors (flush mounting box): **353-650021, 353-750021**.
For all compatible articles, see www.niko.eu

BMS

⚠ **DALI power – OFF**

353-650521 or **353-750521** acts as BMS detector in the following configuration:



Specifications

Specificaties / Specifications / Spezifikationen / Specifikationer / Specifikationer / Spesifikasjoner / Specifiche / Specyfikacje / Technické údaje

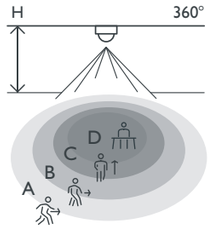
		353-600021 P41	353-600111 M42	353-600121 P42	353-650021 P46	353-650321 P47	353-650521 P49	353-700021 P41	353-700111 M42	353-700121 P42	353-750021 P46	353-750321 P47	353-750521 P49
Installation	230 V	x	x	x				x	x	x			
	DALI-2				x	x	x				x	x	x
Configuration	standalone		x						x				
	master / standalone			x		x				x		x	
	secondary	x			x			x			x		
	BMS				x		x				x		x
Mounting height	2 – 3.5 m	x	x	x	x	x	x	x	x	x	x	x	x
Wire capacity	1.5 / 2.5 mm²	x	x	x	x	x	x	x	x	x	x	x	x
Maximum number of secondary detectors*	10			x						x			
	2					x						x	
Input voltage	230 Vac ± 10 %, 50 Hz	x	x	x		x		x	x	x		x	
	via the DALI bus				x		x				x		x
Operating frequency	2.4 GHz	x	x	x	x	x	x	x	x	x	x	x	x
Maximum power consumption	0.2 W	x	x	x				x	x	x			
	0.5 W					x						x	
Maximum voltage on the DALI bus	15 Vdc					x						x	
Maximum supply current**	250 mA					x						x	
Maximum guaranteed current on DALI bus	100 mA					x						x	
Maximum startup time DALI	< 1200 ms				x	x	x				x	x	x
Maximum PIR detection startup time	70 s				x	x	x				x	x	x
Maximum number of control gear on the DALI bus	64					x						x	
Maximum number of dimmable zones	3					x						x	
Maximum current consumption	10 mA						x						x
	28.1 mA				x						x		
Nominal current consumption (12 V, 25°C) Bluetooth® enabled	4 mA						x						x
	8.1 mA				x						x		
Nominal current consumption (12 V, 25°C) Bluetooth® disabled	3 mA						x						x
	5 mA				x						x		
Maximum radio frequency power	-2 dBm	x	x	x	x	x	x	x	x	x	x	x	x
Ambient temperature	-25 – +40 °C	x	x	x	x	x	x	x	x	x	x	x	x
Protection degree	IP20	x	x	x	x	x	x	x	x	x	x	x	x
Impact resistance	IK02	x	x	x	x	x	x						
	IK04							x	x	x	x	x	x
Halogen free	yes	x	x	x	x	x	x	x	x	x	x	x	x
Marking	CE	x	x	x	x	x	x	x	x	x	x	x	x

* For DALI-2 master detectors: Be aware of the maximum guaranteed current on the DALI bus.

** It is not permitted to connect additional DALI power supplies to the DALI bus of the DALI-2 master detectors.

Detection area

Detectiebereik / Portée de détection / Erfassungsbereich / Rækkevidde / Detekteringsområde / Overvåkningsområde / Campo di rilevamento / Obszar wykrywania / Oblasť snímania

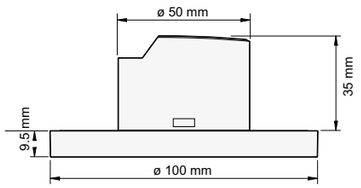


	H	A Walking	B Across	C Towards	D Presence
353-600021 353-600121 353-650021 353-650321 353-650521	2.5 m 3.0 m	ø 13 m ø 12 m	ø 11 m ø 12 m	ø 3 m ø 3 m	ø 5 m ø 5 m
353-600111	2.5 m 3.0 m	ø 13 m ø 12 m	ø 11 m ø 12 m	ø 3 m ø 3 m	- -
353-700021 353-700121 353-750021 353-750321 353-750521	2.5 m 3.0 m 3.5 m	ø 32 m ø 37 m ø 48 m	ø 28 m ø 30 m ø 42 m	ø 10 m ø 8 m ø 8 m	ø 8 m ø 5 m ø 6 m
353-700111	2.5 m 3.0 m 3.5 m	ø 32 m ø 37 m ø 48 m	ø 28 m ø 30 m ø 42 m	ø 10 m ø 8 m ø 8 m	- - -

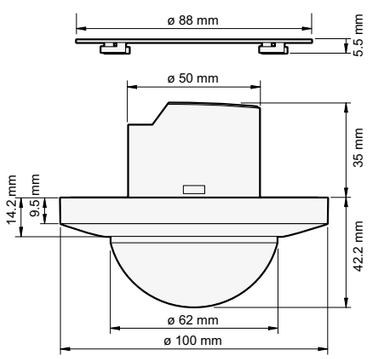
Measured according to EN/IEC63180

Dimensions

Afmetingen / Dimensions / Abmessungen / Dimensioner / Mått / Dimensjoner / Dimensioni / Wymiary / Rozmery



Medium Range (MR)
353-600021
353-600111
353-600121
353-650021
353-650321
353-650521



Long Range (LR)
353-700021
353-700111
353-700121
353-750021
353-750321
353-750521

App settings & more info

App-instellingen / Réglages de l'appli / App-Einstellungen / App indstillinger / Appinställningar / App-innstillinger / Impostazioni dell'app/ Ustawienia aplikacji / Nastavenia aplikácie

230 V – ON / DALI power – ON



Bluetooth®

niko detector tool

GET IT ON Google Play

Download on the App Store

The complete manual for each individual product is available in multiple languages on guide.niko.eu

LED behaviour

Ledgedrag / Comportement des LED / LED-Verhalten / LED funktioner / LED-funktioner / LED-funksjon / Comportamento del LED / Zachowanie LED / LED signalizácia

230 V – ON / DALI power – ON

Green LED continuous on	●	*Connection OK*	
Green LED breathing	●	*Connection OK, overrule ON*	
Green LED flashing	●	*Warming up**	*Wait*
Red LED continuous on	●	*Error*	*More info**:* niko detector tool
Red LED flashing	●	*Warning*	
Blue LED flashing	●	*Movement detected during walk test*	

* When Bluetooth® communication is disabled, the green LED does not flash while warming up.

** More info / Meer informatie / Plus d'info / Mehr Info / Mere info / Mer information / Mer info / Ulteriore info / Więcej informacji / Viac informácií

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