

Presence / Motion detectors
P41/P42/P46/P47/P48/P49/M42 MR/LR



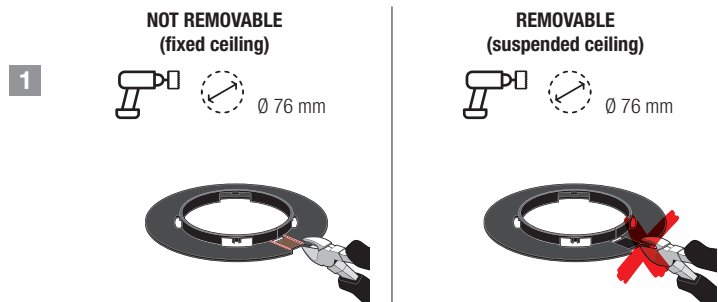
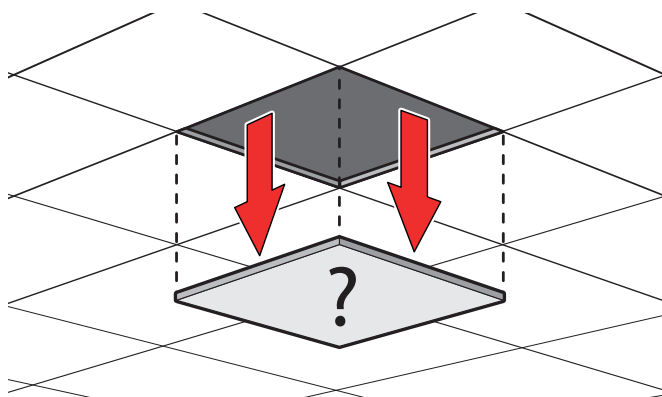
4 year warranty SnapFit mounting 76

353-601021	353-651021	353-701021	353-751021
353-601111	353-651321	353-701111	353-751321
353-601121	353-651421	353-701121	353-751421
353-601221	353-651521	353-701221	353-751521

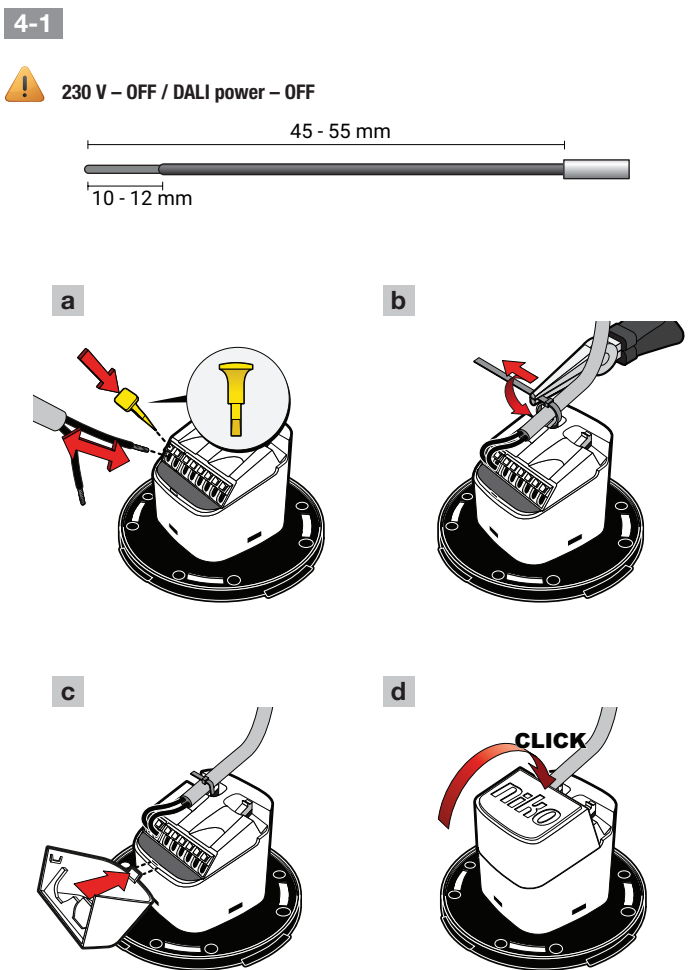
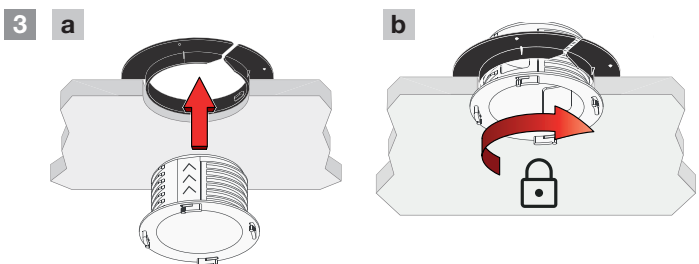
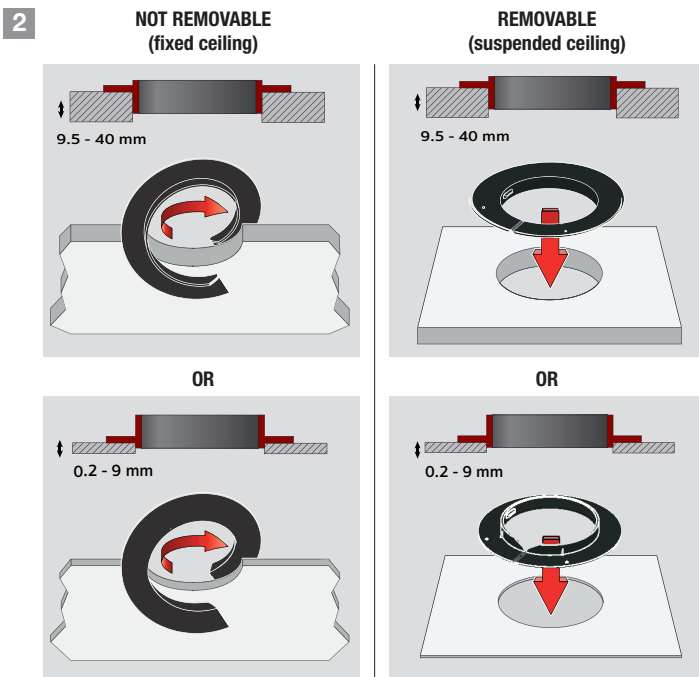
EN	P41/P42/P46/P47/P48/P49/M42 MR/LR, 360°, for flush mounting (SnapFit)
NL	P41/P42/P46/P47/P48/P49/M42 MR/LR, 360°, voor inbouw (SnapFit)
FR	P41/P42/P46/P47/P48/P49/M42 MR/LR, 360°, à encastrer (SnapFit)
DE	P41/P42/P46/P47/P48/P49/M42 MR/LR, 360°, für Deckeneinbau (SnapFit)
DK	P41/P42/P46/P47/P48/P49/M42 MR/LR, 360°, planforsænket (SnapFit)
SE	P41/P42/P46/P47/P48/P49/M42 MR/LR, 360°, för infälld montering (SnapFit)
NO	P41/P42/P46/P47/P48/P49/M42 MR/LR, 360°, til innfelt montering (SnapFit)
IT	P41/P42/P46/P47/P48/P49/M42 MR/LR, 360°, per montaggio a incasso (SnapFit)
PL	P41/P42/P46/P47/P48/P49/M42 MR/LR, 360°, do montażu podtynkowego (SnapFit)
SK	P41/P42/P46/P47/P48/P49/M42 MR/LR, 360°, na zapustenú montáž (SnapFit)

Installation

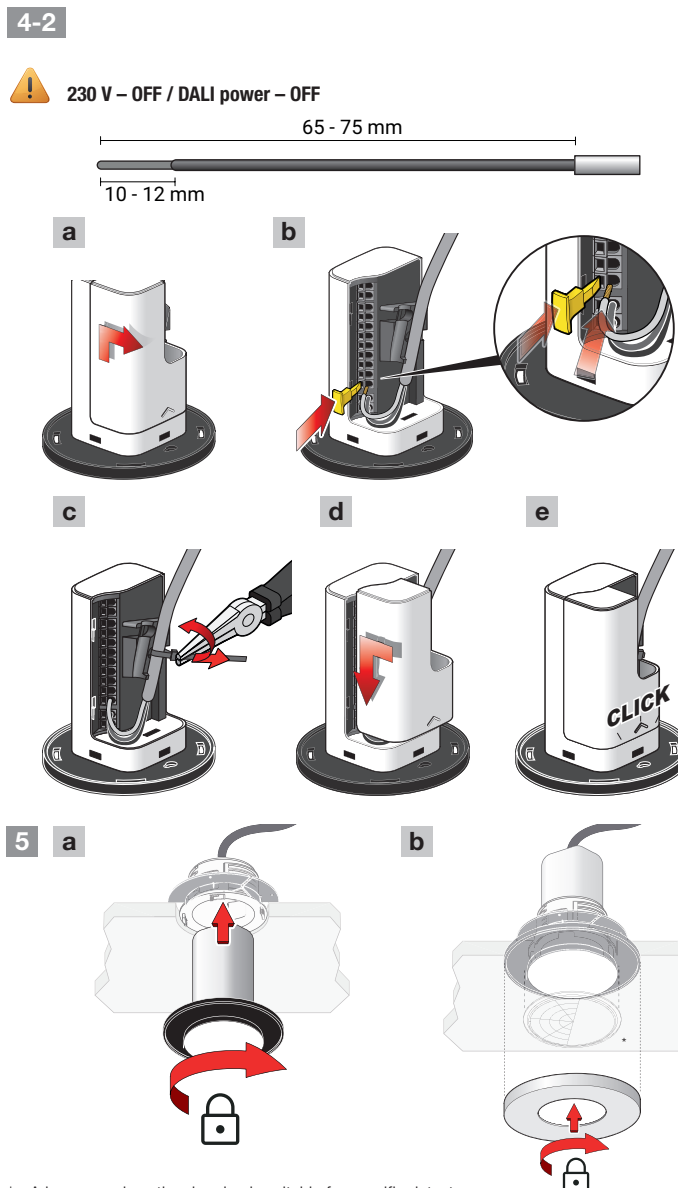
Installatie / Installation / Installation / Installation / Installation / Installasjon / Installazione / Instalacja / Inštalácia



PM353-P4XM4X-FM



Continue to step 5



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

Wiring

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

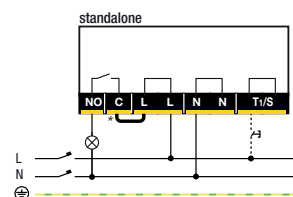
! This product must be secured with a miniature circuit breaker (MCB) of max. 16 A in the electrical cabinet. The MCB rating is limited by national installation rules.

Wiring 230 V detectors

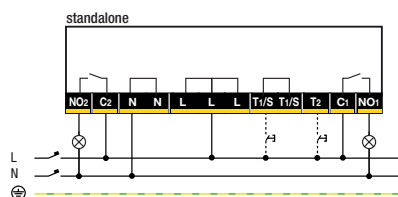
Standalone

! 230 V – OFF

353-601111, 353-601121,
353-701111 or 353-701121
acts as standalone detector in the following configuration:



353-601221 or 353-701221
acts as standalone detector in the following configuration:

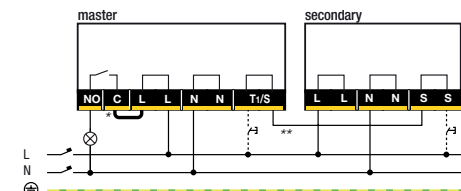


* Remove if you want to use the contact as a dry contact (potential-free)

Master – secondary

! 230 V – OFF

353-601121 or 353-701121 acts as master detector in the following configuration:

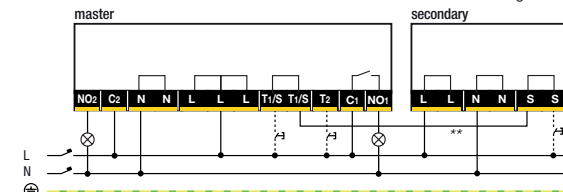


Compatible secondary detectors (flush mounting SnapFit): **353-601021, 353-701021**.
For all compatible articles, see www.niko.eu

* 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®.

353-601221 or 353-701221 acts as master detector in the following configuration:



Compatible secondary detectors (flush mounting SnapFit): **353-601021, 353-701021**.
For all compatible articles, see www.niko.eu

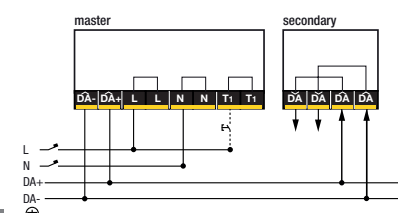
** A wired connection between the master and secondary detector is optional. Choose either the wired connection or communication via Bluetooth®.

Wiring DALI detectors

Master – secondary

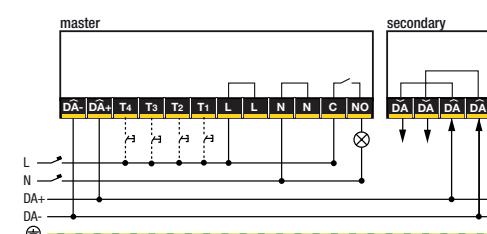
! 230 V – OFF / DALI power – OFF

353-651321 or 353-751321 acts as master detector in the following configuration:



Compatible secondary detectors (flush mounting SnapFit): **353-651021, 353-751021**.
For all compatible articles, see www.niko.eu

353-651421 or 353-751421 acts as master detector in the following configuration:

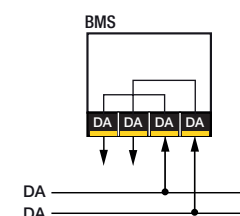


Compatible secondary detectors (flush mounting SnapFit): **353-651021, 353-751021**.
For all compatible articles, see www.niko.eu

BMS

! DALI power – OFF

353-651521 or 353-751521 acts as BMS detector in the following configuration:



Specifications

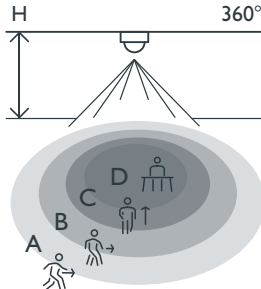
Specificaties / Specifications / Spezifikationen / Spezifikationer / Spezifikationer / Spesifikasjoner / Spécifiche / Specyfikacje / Technické údaje

		353-601021	353-601111	353-601121	353-601221	353-651021	353-651321	353-651421	353-651521	353-701021	353-701111	353-701121	353-701221	353-751021	353-751321	353-751421	353-751521
		P41	M42	P42	P42	P46	P47	P48	P49	P41	M42	P42	P42	P46	P47	P48	P49
Installation	230 V	x	x	x	x					x	x	x	x				
Configuration	DALI-2					x	x	x	x					x	x	x	x
	standalone		x								x						
	master / standalone			x	x		x	x				x	x		x	x	
	secondary	x				x				x				x			
Mounting height	BMS					x			x					x			x
Wire capacity	1.5 / 2.5 mm²	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Number of channels	1 channel		x	x							x	x					
	2 channels				x								x				
Maximum number of secondary detectors*	10			x	x							x	x				
	5							x								x	
	2						x								x		
Input voltage	230 Vac ± 10 %, 50 Hz	x	x	x	x		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	x	x	x	x
Maximum power consumption	0.2 W	x	x	x	x					x	x	x	x				
	0.5 W						x								x		
	0.6 W							x								x	
Maximum voltage on the DALI bus	15 Vdc						x	x							x	x	
Maximum supply current**	250 mA						x	x							x	x	
Maximum guaranteed current on DALI bus	100 mA						x								x		
	200 mA							x								x	
Maximum startup time DALI	< 1200 ms					x	x	x	x					x	x	x	x
Maximum PIR detection startup time	70 s					x	x	x	x					x	x	x	x
Maximum number of control gear on the DALI bus	64						x	x							x	x	
Maximum number of dimmable zones	3						x								x		
	4							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	x	x	x	x
Ambient temperature	-25 – +40 °C	x	x	x	x	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	x	x	x	x
Impact resistance	IK02	x	x	x	x	x	x	x	x								
	IK04									x	x	x	x	x	x	x	x
Halogen free	yes	x	x	x	x	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	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 / Övervakningsområde / Campo di rilevamento / Obszar wykrywania / Oblast snimania



	H ↓	A Walking ↓	B Across ↓	C Towards ↓	D Presence ↓
353-601021 353-601121 353-601221 353-651021 353-651321 353-651421 353-651521	2.5 m 3.0 m	∅ 13 m ∅ 12 m	∅ 11 m ∅ 12 m	∅ 3 m ∅ 3 m	∅ 5 m ∅ 5 m
353-601111	2.5 m 3.0 m	∅ 13 m ∅ 12 m	∅ 11 m ∅ 12 m	∅ 3 m ∅ 3 m	- -
353-701021 353-701121 353-701221 353-751021 353-751321 353-751421 353-751521	2.5 m 3.0 m 3.5 m	∅ 32 m ∅ 37 m ∅ 48 m	∅ 28 m ∅ 30 m ∅ 42 m	∅ 10 m ∅ 8 m ∅ 8 m	∅ 8 m ∅ 5 m ∅ 6 m
353-701111	2.5 m 3.0 m 3.5 m	∅ 32 m ∅ 37 m ∅ 48 m	∅ 28 m ∅ 30 m ∅ 42 m	∅ 10 m ∅ 8 m ∅ 8 m	- - -

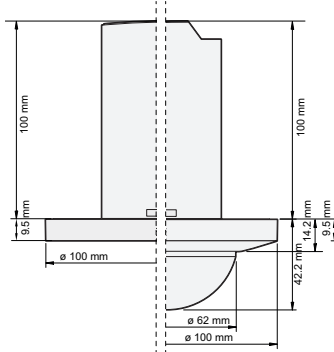
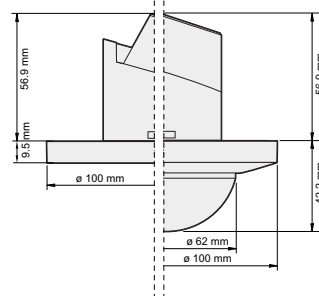
Measured according to EN/IEC63180



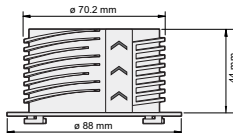
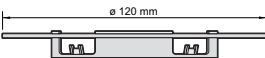
Dimensions

Åfmetingen / Dimensions / Abmessungen / Dimensioner / Mått / Dimensioner / Dimensioni / Wymiary / Rozmery

Medium Range (MR)	Long Range (LR)	Medium Range (MR)	Long Range (LR)
353-601021	353-701021	353-601221	353-701221
353-601111	353-701111	353-651421	353-751421
353-601121	353-701121		
353-651021	353-751021		
353-651321	353-751321		
353-651521	353-751521		



SnapFit parts used for all products



App settings & more info

App-instellingen / Réglages de l'appli / App-Einstellungen / App indstillinger / Appn  llningar / App-inn  llinger / Impostazioni dell'app / Ustawienia aplikacji / Nastavenia aplik  cie

230 V – ON / DALI power – ON



Bluetooth



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 signaliz  cia

230 V – ON / DALI power – ON

Green LED continuous on	●	Connection OK	<div>More info**:</div> <div></div>
Green LED breathing	●	Connection OK, overrule ON	
Green LED flashing	●	Warming up*	
Red LED continuous on	●	Error	
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 / Ulteriori info / Wi  cej informacji / Viac inform  ci  

Support & contact

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FR	Belgique:	+32 3 778 90 80
	France:	+33 820 20 66 25
	Suisse:	+41 44 878 22 22
DE	Deutschland:	+49 7623 96697-0
	Schweiz:	+41 44 878 22 22
	��sterreich:	+43 1 7965514
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