niko

Manual – SnapFit for flush mounting

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

1

NOT REMOVABLE (fixed ceiling)

Ø 76 mm



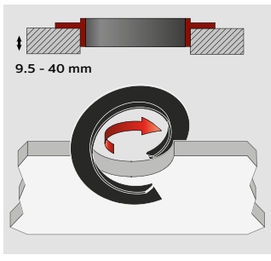
REMOVABLE (suspended ceiling)

Ø 76 mm

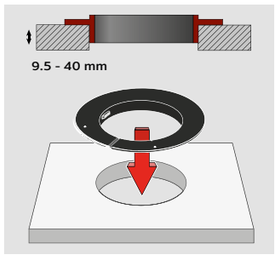


2

NOT REMOVABLE (fixed ceiling)

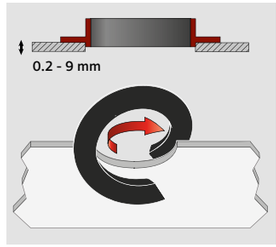


REMOVABLE (suspended ceiling)

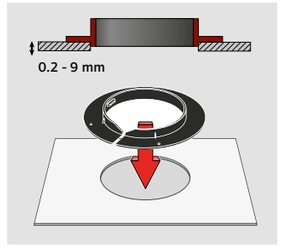


PM353-P4XM4X-FM

OR

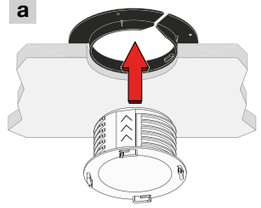


OR

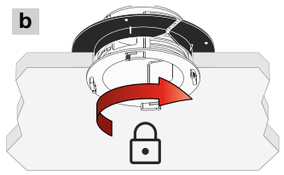


3

a

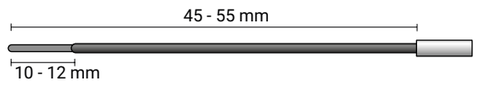


b

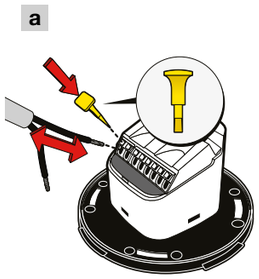


4-1

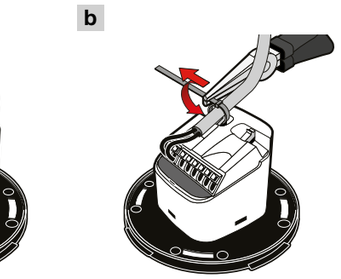
230 V – OFF / DALI power – OFF



a



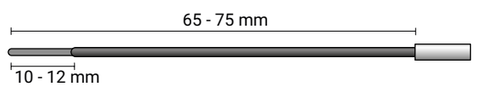
b



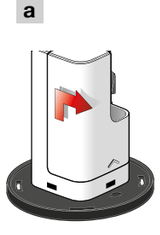
Continue to step 5

4-2

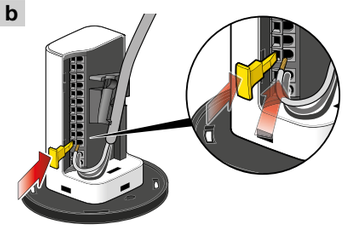
230 V – OFF / DALI power – OFF



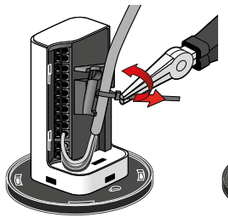
a



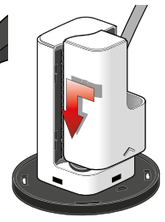
b



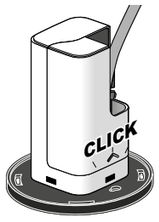
c



d

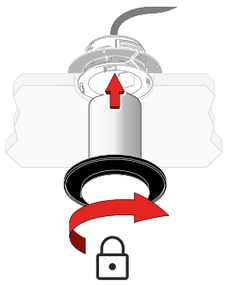


e

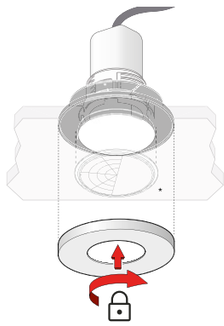


5

a



b



* 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

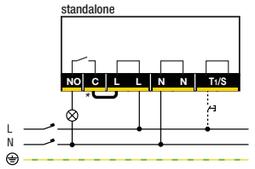
This product must be secured with a miniature circuit breaker (MCB) of max. 16 A in the electrical cabinet. The MCB rating is limited by national installation rules.

Wiring 230 V detectors

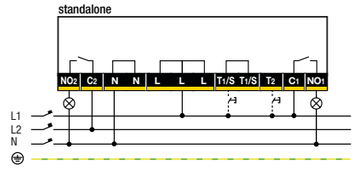
Standalone

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:

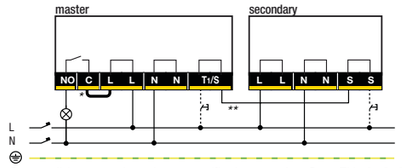


* Remove if you want to use the contact as a dry contact (potential-free)

Master – secondary

230 V – OFF

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

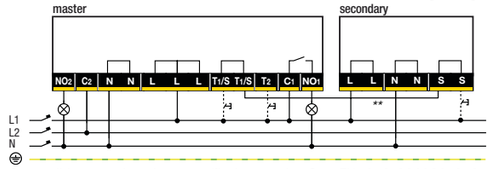


Compatible secondary detectors (flush mounting SnapFit): **353-601021**, **353-701021**.
For all compatible articles, see www.niko.eu

* 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

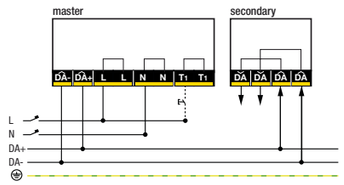
** A wired connection between the master and secondary detector is optional. Choose either the wired connection or communication via Bluetooth®.

Wiring DALI detectors

Master – secondary

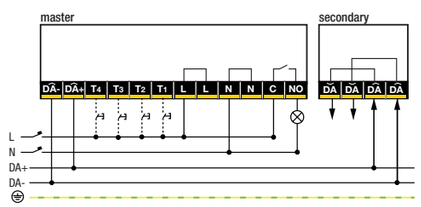
230 V – OFF / DALI power – OFF

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:

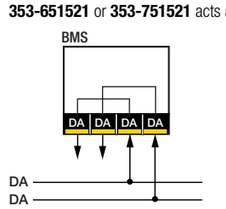


Compatible secondary detectors (flush mounting SnapFit): **353-651021, 353-751021**.
For all compatible articles, see www.niko.eu

BMS

DALI power – OFF

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



Specifications

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

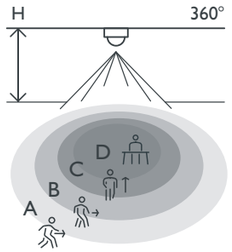
		353-601021	353-601111	353-601121	353-601221	353-651021	353-651321	353-651421	353-651521	353-701021	353-701111	353-701121	353-701221	353-751021	353-751321	353-751421	353-751521
		P41	M42	P42	P42	P46	P47	P48	P49	P41	M42	P42	P42	P46	P47	P48	P49
Installation	230 V	x	x	x	x					x	x	x	x				
	DALI-2					x	x	x	x					x	x	x	x
Configuration	standalone		x								x						
	master / standalone			x	x		x	x				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	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 / Overvåkningsområde / Campo di rilevamento / Obszar wykrywania / Oblast snímania



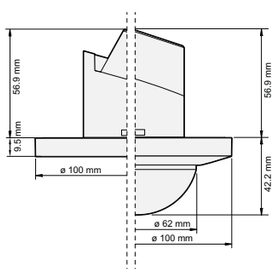
	H	A Walking	B Across	C Towards	D Presence
353-601021 353-601121 353-601221 353-651021 353-651321 353-651421 353-651521	2.5 m 3.0 m	ø 13 m ø 12 m	ø 11 m ø 12 m	ø 3 m ø 3 m	ø 5 m ø 5 m
353-601111	2.5 m 3.0 m	ø 13 m ø 12 m	ø 11 m ø 12 m	ø 3 m ø 3 m	- -
353-701021 353-701121 353-701221 353-751021 353-751321 353-751421 353-751521	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
353-701111	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	- - -

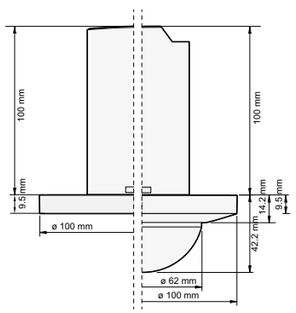
Measured according to EN/IEC63180

Dimensions

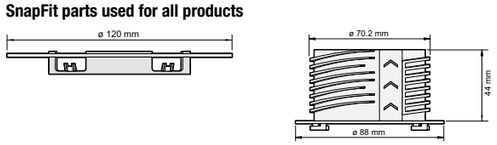
Afmetingen / Dimensions / Abmessungen / Dimensioner / Mått / Dimensjoner / Dimensioni / Wymiary / Rozmery

Medium Range (MR)	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 / 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

Support & contact

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9100 Sint-Niklaas, Belgium

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NO	+47 66 77 57 50	support.no@niko.eu
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SK	+421 2 63 825 155	support.sk@niko.eu

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PM353-P4XM4X-FMR26144