

Universal Quick Guide – 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

353-651621

353-701221

353-751521

353-601111

353-651321

353-701021

353-751021

353-751621

353-601121

353-651421

353-701111

353-751321

353-601221

353-651521

353-701121

353-751421

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)

REMOVABLE (suspended ceiling)

PM353-P4XM4X-FM

Continue to step 5

2

NOT REMOVABLE (fixed ceiling)

REMOVABLE (suspended ceiling)

3

a

b

4-1

4-2

## Wiring

Aansluitschema / Schéma de raccordement / Verdrahtung / Tilslutningsskema / Kopplingschema / 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, 353-601221, 353-701111, 353-701121 or 353-701221 acts as standalone detector in the following configuration:

## Master – secondary

230 V – OFF

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

230 V – OFF / DALI power – OFF

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

## Wiring DALI detectors

### Master – secondary

230 V – OFF / DALI power – OFF

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

230 V – OFF / DALI power – OFF

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

## BMS

230 V – OFF / 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

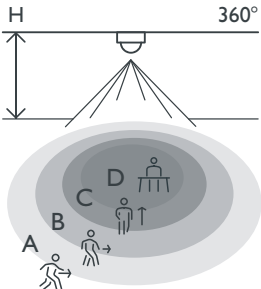
		353-601021	353-601111	353-601121	353-601221	353-651021	353-651321	353-651421	353-651521	353-651621	353-701021	353-701111	353-701121	353-701221	353-751021	353-751321	353-751421	353-751521	353-751621
		P41	M42	P42	P42	P46	P47	P48	P49	P46	P41	M42	P42	P42	P46	P47	P48	P49	P46
Installation	230 V	x	x	x	x						x	x	x	x					
	DALI-2					x	x	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				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	x	x
Wire capacity	1.5 / 2.5 mm <sup>2</sup>	x	x	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			x	x
Operating frequency	2.4 GHz	x	x	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	x	x
Maximum PIR detection startup time	70 s					x	x	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					x				x
Nominal current consumption (12 V, 25°C) Bluetooth® enabled	4 mA								x									x	
	8.1 mA						x			x					x				x
Nominal current consumption (12 V, 25°C) Bluetooth® disabled	3 mA								x									x	
	5 mA						x			x					x				x
Maximum radio frequency power	-2 dBm	x	x	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	x	x
Protection degree	IP20	x	x	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	x									
	IK04										x	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	x	x
Marking	CE	x	x	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 snimanja



	H ↓	A Walking 	B Across 	C Towards 	D Presence 
353-601021 353-601121 353-601221 353-651021 353-651321 353-651421 353-651521 353-651621	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 353-751621	2,5 m 3,0 m	ø 32 m ø 37 m	ø 28 m ø 30 m	ø 10 m ø 8 m	ø 8 m ø 4 m
353-701111	2,5 m 3,0 m	ø 32 m ø 37 m	ø 28 m ø 30 m	ø 10 m ø 8 m	- -

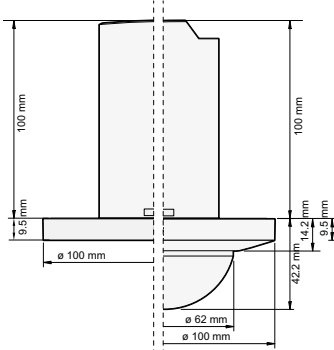
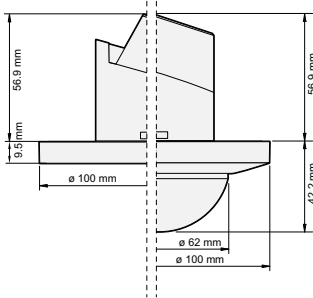
Measured according to EN/IEC63180



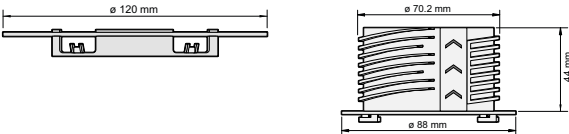
Dimensions

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

Medium Range (MR)	Long Range (LR)	Medium Range (MR)	Long Range (LR)
353-601021 353-601111 353-601121 353-651021 353-651321 353-651521 353-651621	353-701021 353-701111 353-701121 353-751021 353-751321 353-751521 353-751621	353-601221 353-651421	353-701221 353-751421



SnapFit parts used for all products



App settings & more info

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

**230 V – ON / DALI power – ON**



Bluetooth



The specific hardware manual for each individual product is available in multiple languages on [guide.niko.eu](https://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	<b>More info**:</b> 
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

nv Niko sa  
Industriepark West 40  
9100 Sint-Niklaas, Belgium

[www.niko.eu](https://www.niko.eu)

EN	+32 3 778 90 80	support@niko.eu
NL	België: +32 3 778 90 80	support.be@niko.eu
	Nederland: +31 880 15 96 10	support.nl@niko.eu
FR	Belgique: +32 3 778 90 80	support.be@niko.eu
	France: +33 820 20 66 25	support.fr@niko.eu
DE	Suisse: +41 44 878 22 22	support.ch@niko.eu
	Deutschland: +49 7623 96697-0	support.de@niko.eu
SE	Schweiz: +41 44 878 22 22	support.ch@niko.eu
	Österreich: +43 1 7965514	support.at@niko.eu
DK	Belgien: +32 3 778 90 80	support.be@niko.eu
SE	+45 74 42 47 26	support.dk@niko.eu
NO	+46 8 410 200 15	support.se@niko.eu
IT	+47 66 77 57 50	support.no@niko.eu
PL	+41 44 878 22 22	support.ch@niko.eu
SK	+48 509 378 373	support.pl@niko.eu
	+421 2 63 825 155	support.sk@niko.eu

Niko prepares its manuals with the greatest care and strives to make them as complete, correct and up to date as possible. Nevertheless, some deficiencies may subsist. Niko cannot be held responsible for this, other than within the legal limits. Please inform us of any deficiencies in the manuals by contacting Niko customer services at [support@niko.eu](mailto:support@niko.eu)