Presence detector P42LR, 230 V, master, 32 – 37 m, for flush mounting (SnapFit), WAGO WINSTA® MIDI 2 X 2 m cable with 3-pol. connectors, white

353-701121-2

This presence detector is a single-channel master detector for automatic lighting control. The Snapfit® mounting system guarantees fast and stable installation. Moreover, the detector is prewired with cables and 3-pole male and female connectors that are each unique, which helps to avoid installation errors and save time.

This P42 detector with two cables is suitable for ON/OFF lighting control in hallways, printer rooms, toilets and storage rooms. It is used in installations with standard daylight control applications, mainly with automatic ON/OFF function:

• Preprogrammed for automatic ON/OFF

• Preprogrammed settings can be changed via the Niko detector tool app and 2-way Bluetooth® communication (e.g. lux and switch-off time delay)

Lighting control can be overridden with a Bluetooth® push button.
Finishing colour: white
Compatible controls: 170-00005, 170-00015, 170-70015, 170-70005, 360-21001

• SnapFit mounting bracket for easy and stable mounting in all types of suspended ceilings with or without removable tiles
• Quick cabling using screwless and easily accessible plug-in terminals
• Screwless strain relief and screwless installation of cable cover
• User-friendly app for commissioning (iOS/Android)
• 2-way Bluetooth® communication ensures quick modification of settings and live feedback in the app
• Fitted with three PIR segments, each covering 120°
• Pre-configured functions:
  – adjustable PIR sensitivity (4 levels) in 3 x 120°
  – one or more PIR segments can be disabled
  – event log keeps track of recent changes
• Detection range can be increased using up to 10 secondary detectors
• Wireless communication between master and secondary detectors with a repeater function
• Robust potential-free relay
• Automatic lighting control can be overridden with a 230 V push button - different options available
• Settings and configuration can be locked with a PIN code
• Web based portal solution for backing up and exchanging configuration files

Bluetooth®

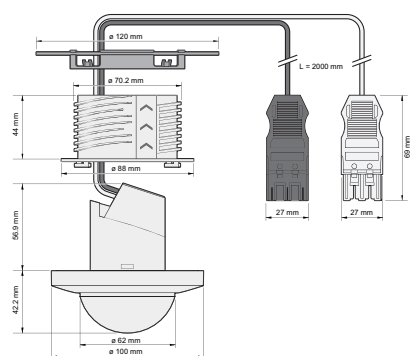| 230 V | master | 360° | ø 37 m from a height of 3 m | 2 – 3.5 m | flush-mounting (SnapFit) |

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Technical data

Article number	353-701121-2
Compatible controls	170-00005, 170-00015, 170-70015, 170-70005, 360-21001
Input voltage	230 Vac ± 10 %, 50 Hz
Detector output	230 V (ON/OFF)
Maximum power consumption	0.2 W
Maximum MCB rating	16 A (limited by national installation rules)
Relay contact	N.O. (max. 10 A), potential-free
Maximum load incandescent and halogen lamps (cosφ = 1)	2300 W
Maximum load fluorescent lamps (cosφ ≥ 0.5)	1200 VA
Maximum load economy lamps (CFLi)	350 W
Maximum load LED lamps 230 V	350 W
Maximum load LED driver	500 VA
Maximum load electronic transformer	500 VA
Maximum capacitive load	140 μF
Maximum switching current	165 A/20 ms – 800 A/200 μs
Light intensity range	20 lux – 2000 lux, ∞
Number of channels	1 channel
Maximum number of secondary detectors	10
Switch-off delay	pulse, 15 s – 2 h, ∞
Detection angle	360°
Detection range (PIR)	ø 37 m from a height of 3 m
Ambient temperature	-25 – +40 °C
Mounting method	flush-mounting (SnapFit)
Mounting height	2 – 3.5 m
Drill diameter	76 mm
Minimum flush-mounting depth	56.9 mm
Colour	white (approximately RAL 9010)
Maximum range Bluetooth® (free field, depending on the device)	50 m
Operating frequency	2.4 GHz
Maximum radio frequency power	-2 dBm
Protection degree	IP20
Impact resistance	IK04
Modification of settings	Niko detector tool app (iOS-Android) and 2-way Bluetooth® communication
Halogen-free	yes
Marking	CE
Cable specifications	– cable colour wire 1: black
– cable colour wire 2: white	
– length: 2 m	
– wire cross section: 1,5 mm²	
– voltage: 250 V	
– rated current: 16 A	
– halogen-free: yes	
– ambient temperature: -5 – +40C°	
– type of connector cable 1: male, 3-pole, black	
– type of connector cable 2: female, 3-pole, white	

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Dimensions

ø 120 mm
L = 2000 mm
ø 70.2 mm
44 mm
69 mm
ø 88 mm
27 mm
27 mm
56.9 mm
42.2 mm
ø 62 mm
ø 100 mm

Wiring diagram

230 Vac

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