

# Motion detector M42LR, 230 V, 32-37 m, for flush-mounting box, white

353-700111

4 year warranty

This motion detector is a 1-channel, stand-alone detector with a large detection range for automatic lighting control. The detector is specially designed for mounting in a standard flush-mounting box (60 or 79 mm diagonal screw distance). The detector's settings can be modified using the Niko detector tool app and 2 way Bluetooth® communication between a smartphone and the detector.

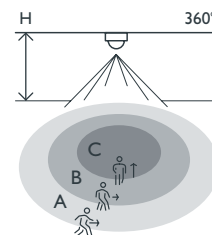
Finishing colour: white

This article is protected by at least one patent (application). For more info on patents, see [www.niko.eu/innovation](http://www.niko.eu/innovation).

- Easy mounting in a standard flush-mounting box (60 or 79 mm diagonal screw distance)
- Quick cabling using screwless and easily accessible plug-in terminals
- 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
- 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 back up and distribution of configuration files



## Detection range



| H     | A<br>Walking | B<br>Across | C<br>Towards |
|-------|--------------|-------------|--------------|
| 2.5 m | Ø 32 m       | Ø 28 m      | Ø 10 m       |
| 3.0 m | Ø 37 m       | Ø 30 m      | Ø 8 m        |

Measured according to EN/IEC63180



Bluetooth®



**niko**

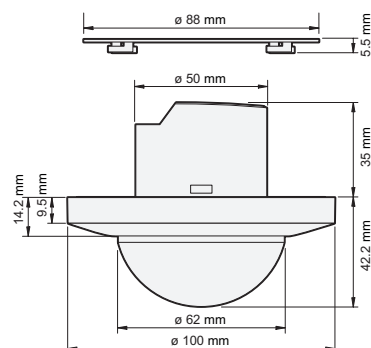
## Technical data

|                                                                |                                                                         |
|----------------------------------------------------------------|-------------------------------------------------------------------------|
| Article number                                                 | 353-700111                                                              |
| Input voltage                                                  | 230 Vac $\pm$ 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 ( $\cos\phi = 1$ ) | 2300 W                                                                  |
| Maximum load fluorescent lamps ( $\cos\phi \geq 0.5$ )         | 1200 VA                                                                 |
| Maximum load fluorescent lamps ( $\cos\phi \geq 0.9$ )         | 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 $\mu$ F                                                             |
| Maximum switching current                                      | 165 A/20 ms – 800 A/200 $\mu$ s                                         |
| Light intensity range                                          | 20 lux – 2000 lux, $\infty$                                             |
| Number of channels                                             | 1 channel                                                               |
| Switch-off delay                                               | pulse, 15 s – 2 h, $\infty$                                             |
| Detection angle                                                | 360°                                                                    |
| Detection range (PIR)                                          | $\varnothing$ 37 m from a height of 3 m                                 |
| Ambient temperature                                            | -25 – +40 °C                                                            |
| Mounting method                                                | flush-mounting box                                                      |
| Mounting height                                                | 2 – 3.5 m                                                               |
| Colour                                                         | white (approximately RAL 9010)                                          |
| Dimensions visible (HxWxD)                                     | 100 x 100 x 42.2 mm                                                     |
| Dimensions (HxWxD)                                             | 100 x 100 x 77.2 mm                                                     |
| 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                                                                      |

## Accessories

|            |                                                                        |
|------------|------------------------------------------------------------------------|
| 353-999879 | Lens cover for P4XLR, M4XLR and M4XHC detectors transparent (5 pieces) |
| 353-991992 | Deco ring for flush-mounted P4XLR and M4XLR detectors, black           |

## Dimensions



Wiring diagram

