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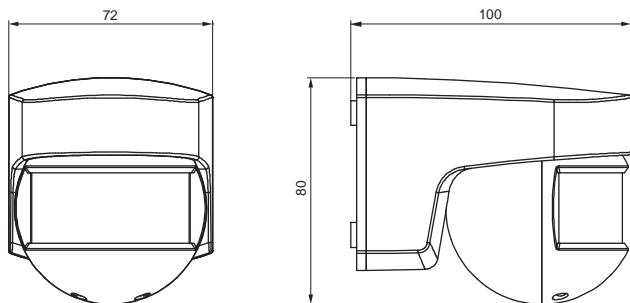
**Mod. Sensor 140**  
**Sensor 200**


## User manual

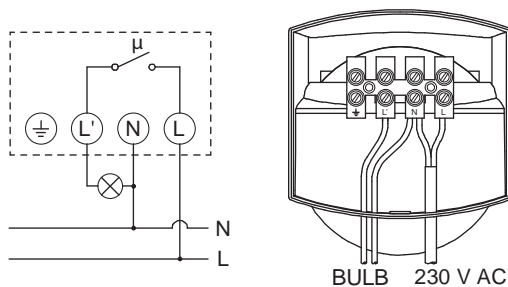
### Movement detectors

Read all instructions carefully

#### Dimensions



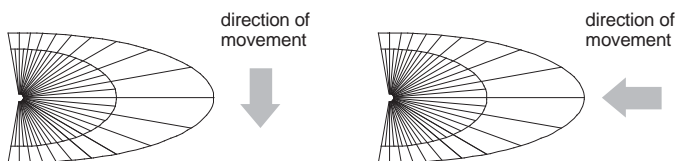
#### Connection diagrams



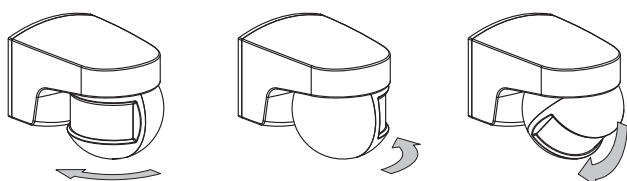
#### Sensitivity

GREATER SENSITIVITY

LESS SENSITIVITY



#### Field of detection



- The **Sensor 140** and **Sensor 200** proximity switches are electronic switching devices containing micro-disconnection ( $\mu$ ) according to EN 60669-2-1. The output circuit is activated when a heat source moves in front of the device and is deactivated when no movement is intercepted, after a settable period of elapsed time.

#### SAFETY WARNINGS

During installation and operation of the device, comply with the following instructions:

- The device must be installed by a qualified person, in strict compliance with the connection diagrams
- Do not power on or connect the device if any part of it is damaged
- In the building where the device is to be installed, there must be a switch and a device for protection from overloads
- Before touching the connector terminals make sure that the wires to be connected are not live.

Code	Model	Description
VE212700	Sensor 140	Movement detector 140° - White
VE213500	Sensor 200	Movement detector 200° - White
VE787700	Sensor 200 Nero	Movement detector 200° - Black

#### TECHNICAL CHARACTERISTICS

- Power supply: 230V AC 50Hz
- Beaking capacity: 5A 250V AC (resistive load)
- Maximum recommended loads:
  - Incandescent light bulbs: 1000W
  - Non-compensated fluorescent: 500W
  - Compensated fluorescent: 250W
  - Halogen (230V AC): 1000W
  - Low consumption bulbs: 200W
- Consumption: 6VA (1W)
- Range of brightness: 5-30-2000 lux
- Intervention time: from 3 seconds to 30 minutes (approximate)
- Angle of detection:
  - Sensor 140: 140°
  - Sensor 200: 200°
- Range of detection:
  - frontal 12m at 20°C
  - lateral 8m at 20°C
- Operating temperature: -20 °C ÷ +40 °C
- Protection degree: IP55
- Insulation: class II

#### INSTALLATION

- The device must be installed far from inductive loads (motors, transformers, telephone antennas, transformer plants, industrial machinery, etc.) as especially strong magnetic fields may alter operation. The device must also be protected from sunlight. It must not be placed near lights, near devices that are subject to temperature changes (heating, air conditioning). It must be located far from highly reflective surfaces. Remove the cover by loosening the screw at the bottom. Fasten the base cover at the point on the wall where you want to install it, at a height of 2-3 metres. The direction of movement of the heat source must be transversal to lens of the device, because detection occurs by means of intersection of bands. Therefore, if source moves parallel to the bands, detection will occur at a lesser distance. The ambient temperature also affects the sensitivity of the device. The higher the temperature, the poorer sensitivity will be.

- The head can rotate horizontally about 180° and vertically about 45°. To adjust the field of detection:
  - turn the intervention time selector to the minimum and the brightness selector to (\*);
  - check coverage by moving inside the field of detection.
 The device is also equipped with limiters of the detection area divided into four sectors. If applied to the lens, they make it possible to exclude one or more of the sectors of the field of detection.
- To adjust the brightness, turn the selector towards (C); when the ambient brightness is as desired for operation, start turning the selector the other way, until illumination occurs.
- To adjust the intervention time, turn the selector (⊕) to the desired position. You can choose from a minimum of 3 seconds to a maximum of 30 minutes. This time is reset each time there is an interception by the detector.

#### OPERATION

- At start and after each restoring of the power supply after a blackout, the sensor activates the loads connected for 30 seconds, regardless of the brightness level and the actual presence of movement in the field of detection.
- During normal operation, when the level of brightness drops below the set level, the device sets up for detection, and signals this condition via flashing of the internal LED.

#### REFERENCE STANDARDS

Conformity to the EU directives:

2014/35/EU (LDV)

2014/30/EU (EMCD)

is declared with reference to harmonized standard:

EN 60669-2-1