ISCOM020-2106

Mod. **Sensor-HF**

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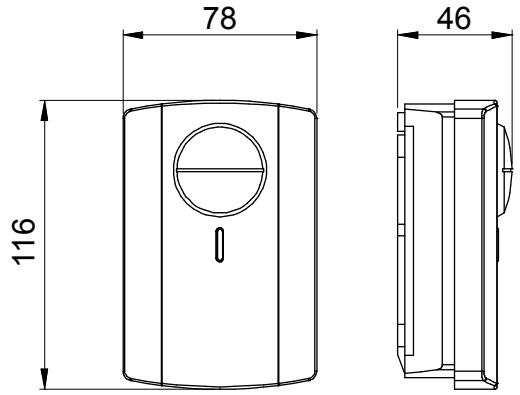
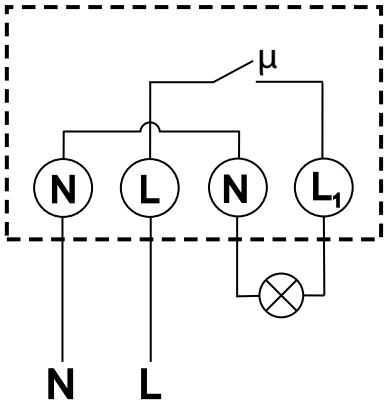
User manual

Movement detectors
Read all instructions carefully

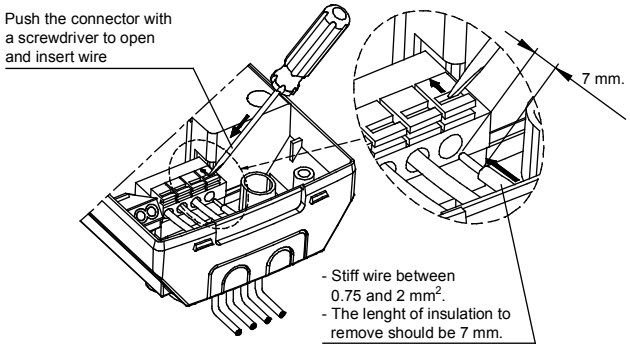
Dimensions



Connection diagram



Installation



The **Sensor HF** proximity switch is electronic switching device containing micro-disconnection (μ) according to EN 60669-2-1, that emits superhigh frequency (5.8 GHz) electromagnetic waves and captures their echoes. Any changes in the echoes are detected by the sensor indicating the presence or persons or animals and a microprocessor controls the connected lights or application. This device detects within a radius of action of between 0.5 and 6 metres, with a 270° coverage.

SAFETY WARNINGS

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

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

Code	Model	Description
VE214300	**Sensor-HF**	Movement detector wall-mounted

TECHNICAL CHARACTERISTICS

- Power supply: 230V AC 50Hz
- Sensor: 5.8 GHz
- Breaking capacity: 6A 250V AC (resistive load)
- Maximum recommended loads:
  – Incandescent lamps: 1,000W
  – Uncompensated fluorescents: 500 W
  – Compensated fluorescents: 250 W
  – Halogens (230V AC): 1,000 W
  – Low-consumption lamps: 200 VA
- Own consumption: 11 VA (1.7 W)
- Capture angle: 270°
- Detection range: from 0.5 to 6 metres front and up to 3 metres to the side, installed at a height of 1.7 metres
- Luminosity range: from 0.5 to 2,000 Lux
- Timing range: from 3 seconds to 30 minutes
- Operating temperature: 0°C ÷ +50°C
- Protection degree: IP20
- 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 rain and 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.

- It is wall-mounted using the included flat bracket, wall-plugs and screws (a special bracket is included for corner installation). The ideal sensor wall-installation height is between 0.3 and 2.4 metres. Once the bracket is secured to the wall in the desired location, the Sensor HF should be slid into position along the slide until it is fully secured.

- Remove the cover with a slight rotation forwards and loosen the securing screw for the connections cover for access to the terminal block.
  Pass the connection wires through the cavity in the lower part of the unit, or through the wiring access marked on the base.
  It must be connected in accordance with the connection diagram. Once connected, close the cover again and tighten the screw.

OPERATION

- The Sensor HF has three potentiometers behind the front cover:

  ◷ TIME permits to set the time in which the load is on. Timing commences after detecting the last movement (adjustable from three seconds to thirty minutes).
  ® RANGE permits to set the detecting range of the device (adjustable from 0,5 meter and 6 meters).

  ☾ ☀ permits to adjust the brightness under the device is on (adjustable from 0,5 lux to 2000 lux).

- Ten seconds after the unit is switched on the sensor enters AUTO mode. Turn the “time” to minimum (-) and the “lux” potentiometer to (☀). Move in front of the sensor until the connected device lights come on. This provides an idea of the detection field range. Set the “time” and “lux” potentiometers to the desired positions.

- It is possible to achieve permanent switch-on, during four hours, rapid switching on and off twice (less than two seconds). A return to auto mode can be made in permanent switch-on by switching off for more than two seconds.
  The ledwill flash three times when the unit passes to auto mode. If the led remains permanently on, the sensor is in permanent mode.

REFERENCE STANDARDS

Conformity to the EU directives:
2014/35/UE (LDV)
2014/30/UE (EMCD)
is declared with reference to harmonized standard:
EN 60669-2-1

information to users pursuant to art. 14 of the directive 2012/19 / EU of the european parliament and of the council of 4 july 2012 on waste electrical and electronic equipment (WEEE)

If the crossed-out bin symbol appears on the equipment or packaging, this means the product must not be included with other general waste at the end of its working life.

The user must take the worn product to a sorted waste center, or return it to the retailer when purchasing a new one.

Products for disposal can be consigned free of charge (without any new purchase obligation) to retailers with a sales area of at least 400 m², if they measure less than 25 cm.

An efficient sorted waste collection for the environmentally friendly disposal of the used device, or its subsequent recycling, helps avoid the potential negative effects on the environment and people’s health, and encourages the re-use and/or recycling of the construction materials.