UltraLux PSD2M65 PIR Motion and Presence Sensor Instruction Manual

PIR SENSOR
WITH MULTIFUNCTIONAL SURFACE MOUNTING
MODEL: PSD2M65
INSTRUCTIONS FOR EXPLOITATION

'THE INSTALLATION SHOULD BE PERFORMED BY A QUALIFIED ELECTRICIAN ACCORDING TO THIS MANUAL. PLEASE, KEEP THE INSTRUCTIONS.

Contents

TECHNICAL SPECIFICATIONS

Detection range: .360°
Power supply: 220-240 V AC, 50/60 Hz
Rated load: 1200 W (incandescent lamp) | 600 W (energy saving lamps)
Detection distance: max. 5 m-12m (<24 °C) adjustable
Installation Height: Ceiling 2.2-4 m | Wall 1.8 m – 2.5 m
Working temperature:. …..-20°C ÷ +40° C
Time Delay:. min. 10 sec±3 sec. | max. 15 min±2 min (adjustable)
Ambient light:. <0.1-2000 lx (adjustable)

IP65 IP rate: IP65
Power consumption:. 0.5 W
Working Humidity:.< 93% RH
Detection motion speed:. 1.5 m/s

NOTES AND INFORMATION

The sensor is a passive infrared sensor that monitors (measures) the infrared rays (heat) that are emitted from objects within its range. Depending on the change of the thermal background in the controlled area, the sensor switches on/off the connected load. For this, the sensor is not recommended to be installed in areas with large temperature amplitudes – near air conditioners or heaters.

SAFETY INSTRUCTIONS

- Performing any actions while eletrical voltage s present carres potential ik of elctricshock
- The power supply mustbe tuned off before starting any work.
- The sensor i intended for mounting in a vertical position on stationary surfaces.
- Theinstallation should be done by a qualifed electriian.

TAKING CARE OF THE NATURAL ENVIRONMENT CLEANLINESS

- The product and ts components are not harmful o the environment
- Please dispose the package elements separately in containers for the corresponding material.
- Please dispose the broken product separately in containers for out of usage electrical equipment.

INSTALLATION

- Tum off power supply before nstallation.
- Usea screwdriver to remove the mounting base (Fig.1). Punch through the slcone seal on the mounting base and run the power wires through.
- Connect the power cable to the terminal block according to the diagram (Fig.3).
  It is recommended to connect a single-pole switch to the sensor power phase to switch the different sensor modes (see Sensor Modes).

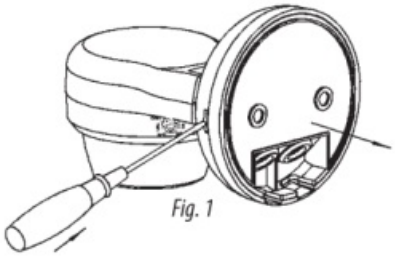


Fig. 1

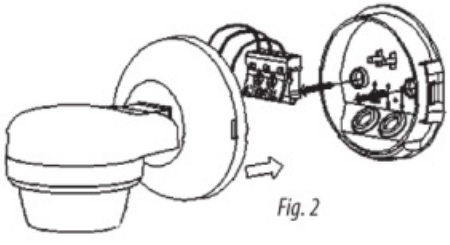


Fig. 2

- Fix the mounting base to the desired surface using suitable fasteners (Fig.2).
  The sensor mounting is multifunctional. It can be mounted both on the wall and on the ceiling (Fig. 4 and Fig. 5).
- Fix the sensor to the mounting base using the tightening screws.
- Switch on the supply voltage and test.

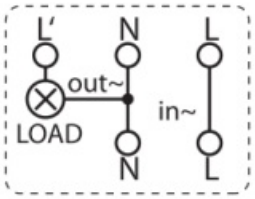


Fig. 3


Fig. 4

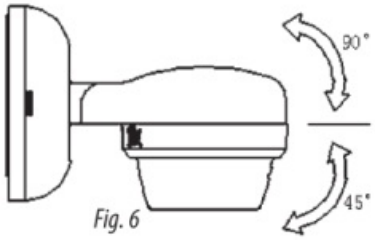


Fig. 6

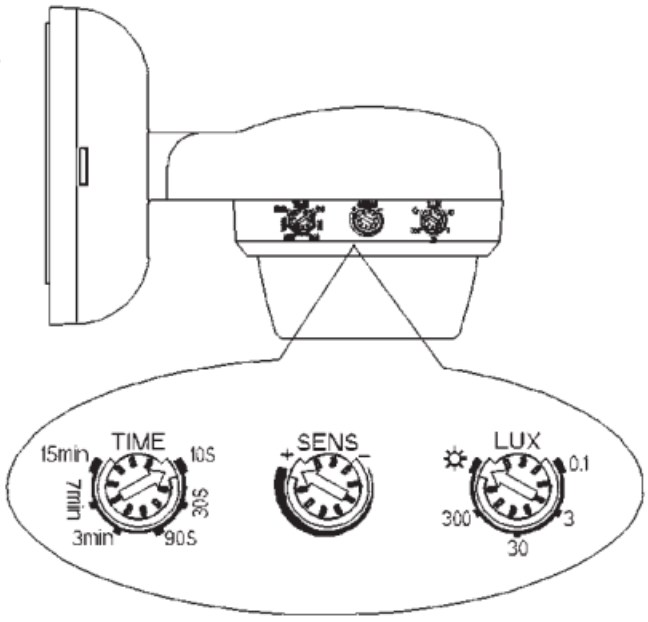

Fig. 5

Note: The sensor can be tilted up/down as desired by theuser as shown in the drawing Fig.6.

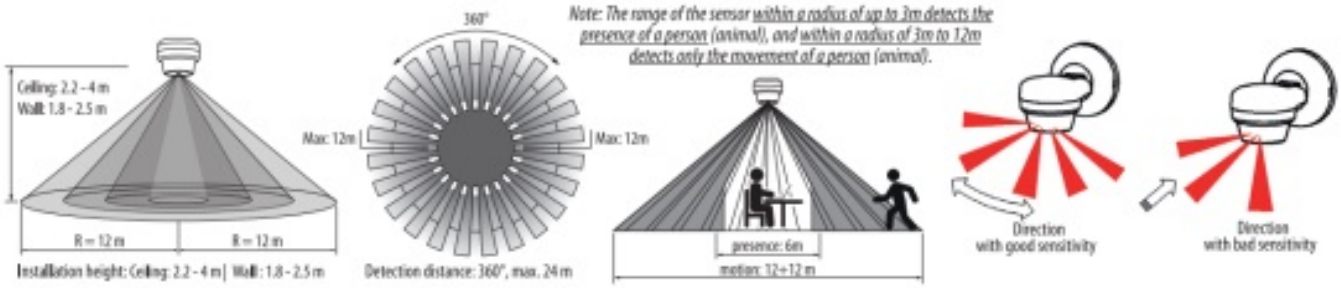
TESTING SENSOR FUNCTION

- Turn the TIME knob anticlockwise to the minimum (10s) position. Turn the SENS control clockwise to the maximum (+) position. Turn the LUX control clockwise to the maximum position (☼).
- Turn on the power. The lighting will turn on for 30 seconds, then turn off. Ifthe sensor detects motion within range it will turn on the lights. f there is no ‘movement within range the light will illuminate for 10 seconds + 3 seconds. After this time interval, the lights will switch off.
- Turn the LUX control anticlockwise to the minimum (0.1 Ix) position. If the ambient illuminance s greater than 0.1 Ix, the sensor will not tum on the lighting even if it detects motion within range. If the ambient lluminance is less than 0.1 Ix (night), the sensor will turn on the illumination when motion is detected within range. Ifthere is no movement within range the sensor will turm offthe lights after 10 seconds=+3 seconds.

  Note: If we are testing the sensor during the daytime, the LUX control needs to be turned to the ☼ position.



SENSOR WORKING RANGE



SENSOR MODES

- Sensor Mode → Lighting On
  Using the swiitch connected to the power phase of the sensor, make the following switch from OFF – ON, OFF – ON (both switching within 3 seconds).
  The activity of the sensor will be switched off and the lighting connected to the sensor willstay permanently on.
- Lighting on →Sensor mode
  The following two methods are possiblefor going into sensor mode:
  1. Using the switch, turn off the power to the sensor and tu it on again after 0.3 seconds.
  2. Ifthe lighting is continuously left on (for 8 hours), after this time interval it ‘will switch to sensor modeautomatically.

POSSIBLE REASONS FOR SENSOR MALFUNCTIONS

The lamp does not turn on:

- Please check if the power and load connection is correct.
- Make sure the lamp is not defective.
- Checkifthe working light cortesponds o the ambient ligh.
- Whentestngindayligh, leasetum LUX knobto, ☼ positon, otherwise the sensor lamp could not work!

The sensitivity is poor:

- Please checkif there is hinder in front of the detection window to prevent from receiving the signals.
- Please check if the ambient temperature is too high.
- Please check if the signals source is in the detection area.
- Please check if the installation height corresponds to the height shown in the instruction.

‘The sensor doesn’t switch off the load automatically:

- Checkiif there are continual signals in the detection area.
- Make sure TIME knob is not set to“15 min”.

- Check if the power corresponds to the instruction.
- Make sure there are no heaters in the sensor range.

ONLINE INSTRUCTION

https://www.ultralux.bg/downloads/upotreba/Instruction_PSD2M65_web.pdf

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Documents / Resources

	UltraLux PSD2M65 PIR Motion and Presence Sensor [pdf] Instruction Manual PSD2M65 PIR Motion and Presence Sensor, PSD2M65, PIR Motion and Presence Sensor, Motion and Presence Sensor, Presence Sensor, Sensor

References

- User Manual

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