# vexen ALIO MS-360-08EB Infrared Motion Sensor Instructions



Contents



## vexen ALIO MS-360-08EB Infrared Motion Sensor

**Product Information**
The ALIO MS-360-08EW/ MS-360-08EB Infrared Motion Sensor is a high-quality motion sensor that offers excellent sensitivity and practical functions. It is designed to provide automatism,convenience, safety, energy-saving, and practicality. The sensor utilizes infrared energy emitted by humans as a control signal source, allowing it to instantly activate the load when someone enters its detection field. The sensor can also automatically identify day and night conditions. It is easy to install and widely used.

**Specifications:**

- Power Source: 50/60Hz
- Detection Range: 8m maximum
- Power Frequency: 50/60Hz
- Detection Distance: Up to 8m
- Ambient Light: Automatically detected
- Working Temperature: Not specified
- Time Delay: Not specified
- Working Humidity: Not specified
- Power Consumption: Not specified
- Rated Load: Not specified
- Installation Height: Not specified
- Detection Moving Speed: Not specified

## Product Usage Instructions

1. Choose a suitable location for installing the infrared motion sensor.
2. Ensure that the power source matches the power frequency specified for the sensor.
3. Mount the sensor at a desired height, making sure it covers the desired detection area.
4. Connect the sensor to the power source according to the provided instructions.
5. If required, adjust the time delay setting on the sensor to control the duration for which the load remains activated after motion is detected.
6. Ensure that the ambient light is within the sensor’s detection range. The sensor will automatically adjust its sensitivity based on the ambient light conditions.

7. Test the sensor by entering its detection field and verifying that the load is activated as expected.
8. Make any necessary adjustments to the sensor's position or settings to optimize its performance.

**Note:** For detailed information on installation, power consumption, working temperature, time delay, working humidity,rated load, installation height, and detection moving speed, refer to the product manual.

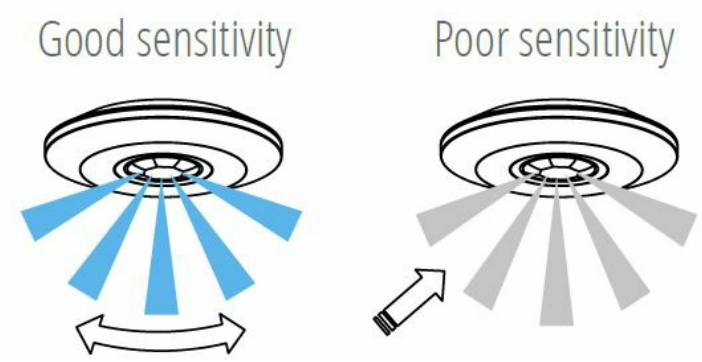
Welcome to use MS-360-12EW infrared motion sensor!
The product adopts good sensitivity detector and integrated circuit. It gathers automatism, convenience, safety, saving-energy and practical functions. It utilizes the infrared energy from human as control-signal source and it can start the load at once when one enters detection field. It can identify day and night automatically. It is easy to install and used widely.

## SPECIFICATION

- Power Source: 220-240V/AC
- Detection Range: 360°
- Power Frequency: 50/60Hz
- Detection Distance: 8m max(<24°C)
- Ambient Light: <3-2000LUX (adjustable)
- Working Temperature: -20~+40°C
- Time Delay: Min.10sec±3sec Max.15min±2min
- Working Humidity: <93%RH
- Power Consumption: approx 0.5W
- Rated Load: Max: 2000W; LED: 1000W
- Installation Height: 2.2-4m
- Detection Moving Speed: 0.6-1.5m/s

## FUNCTION

- Can identify day and night: The consumer can adjust working state in different ambient light. It can work in the daytime and at night when it is adjusted on the "sun" position (max).
  It can work in the ambient light less than 3LUX when it is adjusted on the "3" position (min). As for the adjustment pattern, please refer to the testing pattern.
- Time-Delay is added continually: When it receives the second induction signals within the first induction, it will restart to time from the moment.




## INSTALLATION ADVICE

As the detector responds to changes in temperature, avoid the following situations:

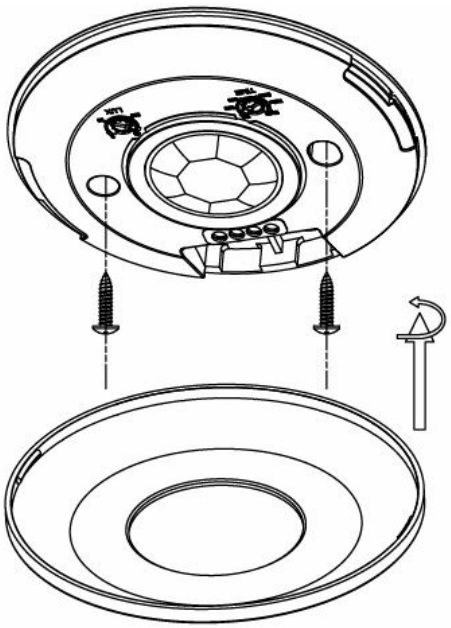
- Avoid pointing the detector towards objects with highly reflective surfaces, such as mirrors etc.
- Avoid mounting the detector near heat sources, such as heating vents, air conditioning units, light etc.
- Avoid pointing the detector towards objects that may move in the wind, such as curtains, tall plants etc.

## CONNECTION

**WARNING!**

Warning. Danger of death through electric shock!

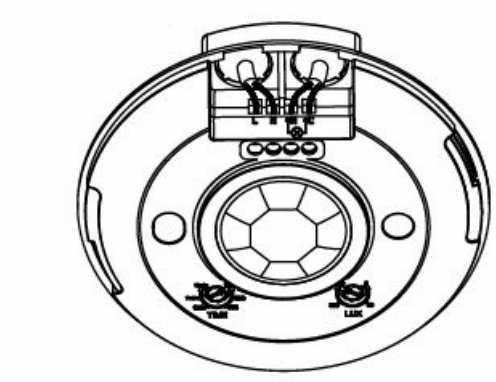
- Must be installed by professional electrician.
- Disconnect power source.
- Cover or shied any adjacent live components.
- Ensure device cannot be switched on.
- Check power supply is disconnected.



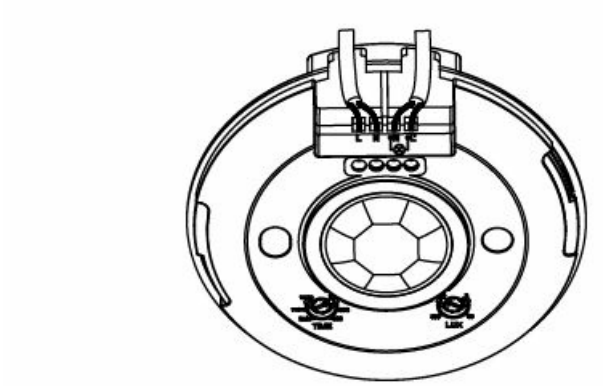
- Please move the upper cover with anti-clockwise whirl as per the diagram on the right.
- Connect the power and the load according to the connection-wire diagram.
- Fix the bottom on the selected position with the inflated screw.
- Install back the upper cover on the sensor, then you could switch on the power and test it.

**CONNECTION-WIRE DIAGRAM**

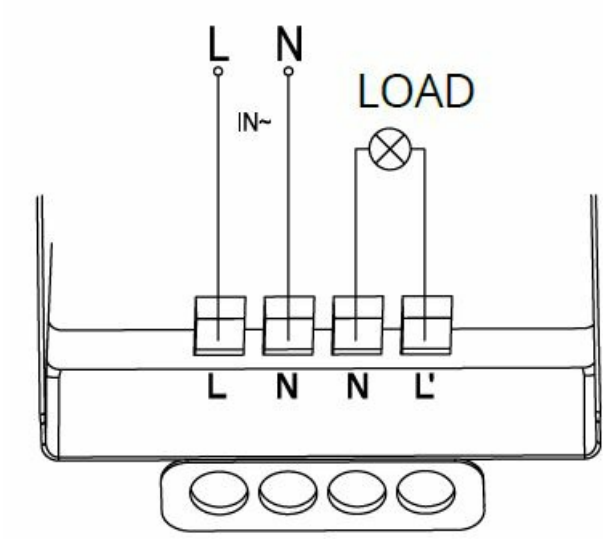
- The wires come in and out from the bottom



- The wires come in and out from the side

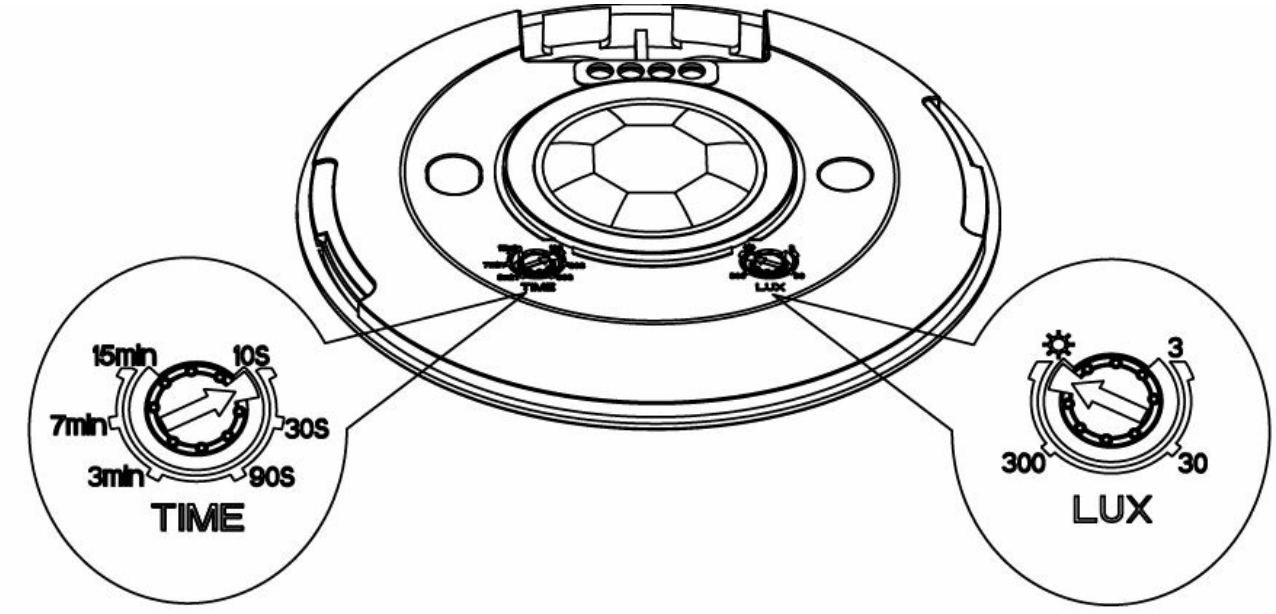


**TEST:**




- Turn the TIME knob anti-clockwise on the minimum (10s).Turn the LUX knob clockwise on the maximum (sun)
- Switch on the power; the sensor and its connected lamp will have no signal at the beginning. After Warm-up 30sec, the sensor can start work .If the sensor receives the induction signal, the lamp will turn on. While there is no another induction signal any more, the load should stop working within 10sec±3sec and the lamp would turn off.
- Turn LUX knob anti-clockwise on the minimum (3). If the ambient light is more than 3LUX, the sensor would not work and the lamp stop working too. If the ambient light is less than 3LUX (darkness), the sensor would work.

Under no induction signal condition, the sensor should stop working within 10sec±3sec.

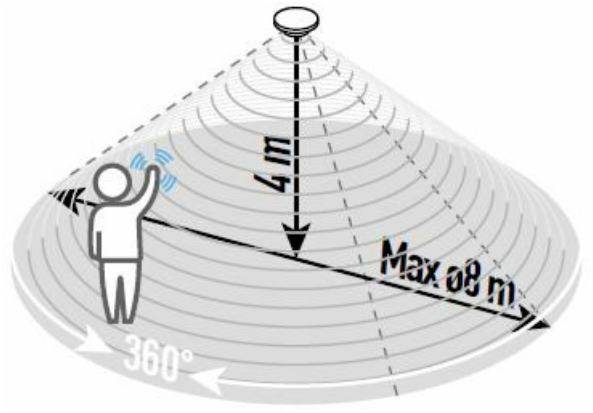



**Note:** when testing in daylight, please turn LUX knob to (SUN) position, otherwise the sensor lamp could not work! If the lamp is more than 60W, the distance between lamp and sensor should be 60cm at least.

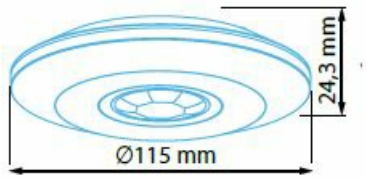
## SOME PROBLEM AND SOLVED WAY

- The load does not work:
  - Please check if the connection of power source and load is correct.
  - Please check if the load is good.
  - Please check if the settings of working light correspond to ambient light.
- The sensitivity is poor:
  - Please check if there is any hindrance in front of the detector to affect it to receive the signals.
  - Please check if the ambient temperature is too high.
  - Please check if the induction signal source is in the detection field.
  - Please check if the installation height corresponds to the height required in the instruction.
  - Please check if the moving orientation is correct.
- The sensor can not shut off the load automatically:
  - Please check if there is continual signal in the detection field.
  - Please check if the time delay is set to the maximum position
  - Please check if the power corresponds to the instruction

## SENSOR INFORMATION



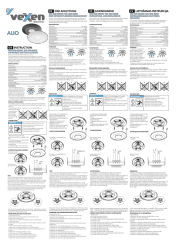

Height of installation: 2.2-4m
Detection Distance: Max.8m




**SIA PAWBOL Baltic**
Reg. Nr: 40103888768
VAT: Nr LV40103888768
Katlakalna 9A, Riga, Latvia, LV1073
Phone: + 371 62006800
Email: info@vexen.eu

WWW.VEXEN.EU

## Documents / Resources

| | |
|---|---|
|  | vexen ALIO MS-360-08EB Infrared Motion Sensor [pdf] Instructions<br>ALIO MS-360-08EB Infrared Motion Sensor, ALIO MS-360-08EB, Infrared Motion Sensor, Motion Sensor, Sensor |