VEXEN MS-180-12LW Motion Sensor Wall Mounted User Guide

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Product Information

The MS-180-12LW/MS-180-12LB Infrared Motion Sensor is a highly sensitive detector and integrated circuit that offers various functions for automation, convenience, safety, energy-saving, and practicality. This motion sensor utilizes infrared energy emitted by humans as a control signal source. It is capable of instantly activating the load when someone enters its detection field. The sensor can also automatically identify day and night conditions. It is designed for easy installation and is suitable for wide usage.

Product Usage Instructions

1. Choose an appropriate location for installing the motion sensor. Ensure that it is positioned in a way that covers the desired area for detection.
2. Connect the motion sensor to the power supply according to the specified specifications (50/60Hz, 12 max).
3. Adjust the sensitivity level of the motion sensor if required. Follow the instructions provided in the product manual to make necessary adjustments.
4. Mount the motion sensor securely using the provided mounting hardware. Ensure that it is firmly attached to avoid any movement or displacement.
5. Test the motion sensor by entering its detection field. The load should activate immediately upon detection.
6. If necessary, adjust the day/night identification feature of the motion sensor. Refer to the product manual for detailed instructions on making these adjustments.
7. Regularly inspect and clean the motion sensor to maintain its optimal performance. Remove any dust or debris that may accumulate on its surface.
8. If experiencing any issues or difficulties with the motion sensor, refer to the troubleshooting section of the product manual or contact customer support for assistance.

INSTRUCTION

MS-180-12LW/MS-180-12LB INFRARED MOTION SENSOR
Welcome to use MS-180-12LW/12LB 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
- **Power Frequency:** 50/60Hz
- **Ambient Light:** <3-2000LUX (adjustable)
- **Time Delay:** Min.10sec±3sec Max.15min±2min
- **Rated Load:** Max: 800W; LED: 300W
- **IP Class:** IP44
- **Detection Range:** 180°
- **Detection Distance:** 12m max(<24°C)
- **Working Temperature:** -20~+40°C
- **Working Humidity:** <93%RH
- **Power Consumption:** approx 0.5W
- **Installation Height:** 1.8-2.5m

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
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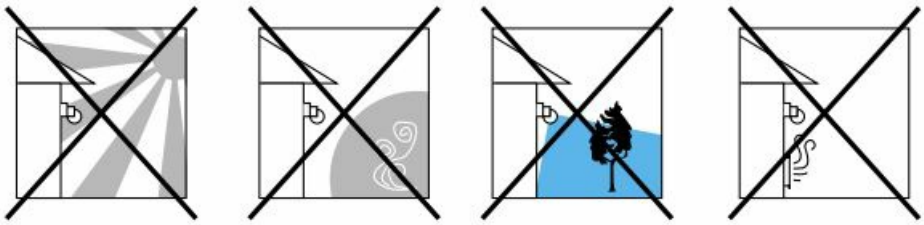
INSTALLATION ADVICE

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. 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.
- Loosen the screw in the back and unload the bottom (refer to figure 1).
- Find the wire hole with gasket in the downside of the sensor and pass the power wire through hole. Connect the power wire into connection-wire column according to the connection-wire diagram.
- Fix the bottom with inflated screw on the selected position. (refer to figure 2)
- Install back the sensor on the bottom, tighten the screw and then test it.

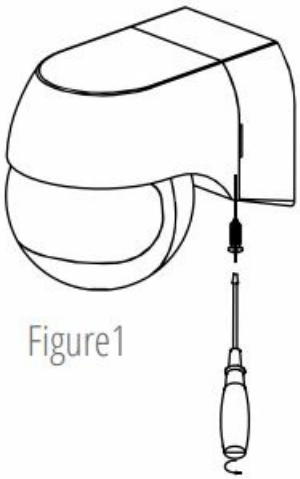


Figure1

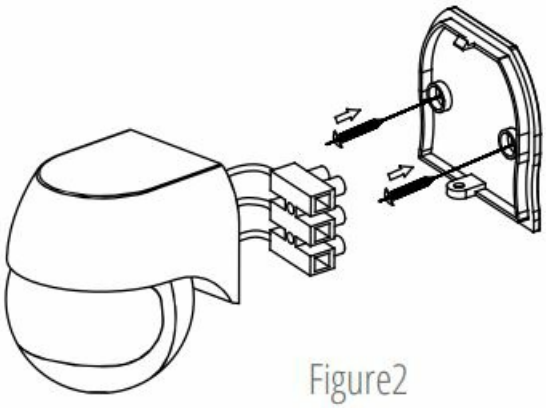
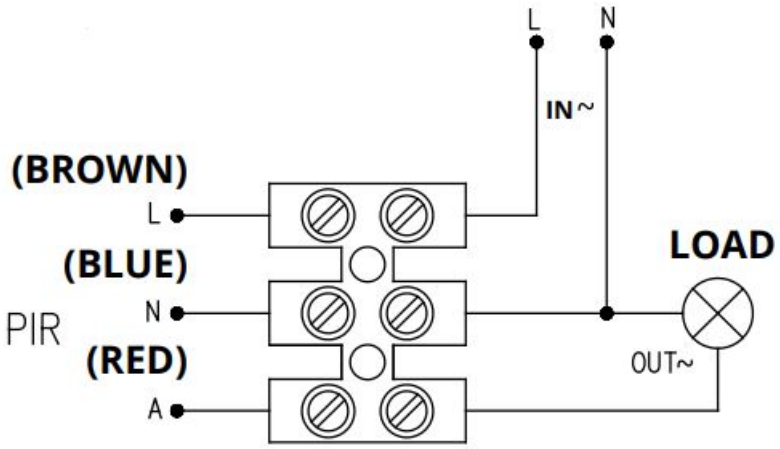


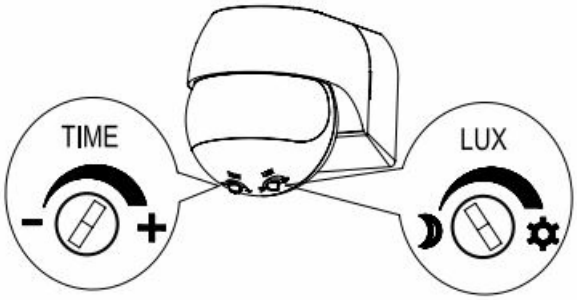
Figure2

CONNECTION-WIRE DIAGRAM



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.



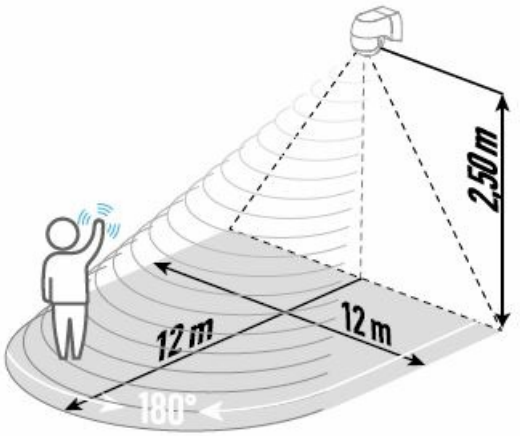
Note: when testing in daylight, please turn LUX knob to (SUN) position, otherwise the sensor lamp could not work! If the lamp is more than 60W, the distance between lamp and sensor should be 60cm at least.

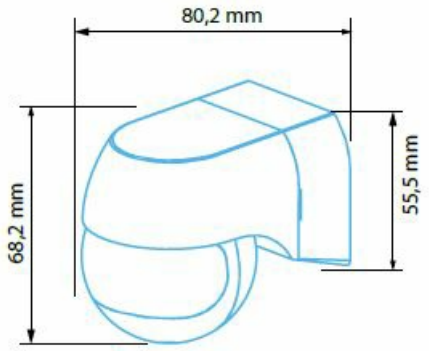
SOME PROBLEM AND SOLVED WAY

- 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.

DIMENSION





SIA PAWBOL Baltic

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

Documents / Resources

	VEXEN MS-180-12LW Motion Sensor Wall Mounted [pdf] User Guide MS-180-12LW Motion Sensor Wall Mounted, MS-180-12LW, Motion Sensor Wall Mounted, Sensor Wall Mounted, Wall Mounted