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QUICK SENSE QS-08 Pir Ulralim Sensor Instruction Manual

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QUICK SENSE QS-08 Pir Ulralim Sensor

Product Information

The PIR Sensor Ulralim QS-08 is a versatile product that offers automation, convenience, safety, and energy-efficiency. It features a sensitivity detector and an integrated circuit, making it capable of detecting infrared energy reflected from the human body as a control-signal source. This sensor is designed to activate the load immediately upon detecting movement within its detection field. Additionally, it has the ability to automatically distinguish between day and night conditions.

This PIR sensor is easy to install and can be used in various applications due to its wide range of usage possibilities.

Product Usage Instructions

Installation

1. Ensure that the power source is 220-240V/AC with a power frequency of 50Hz.
2. Select an appropriate location for installation. The sensor should be mounted at a height of 1.8-2.5 meters (6-8 feet) above the ground.
3. Use screws or adhesive tape to secure the sensor to the desired location.
4. Make sure the sensor is positioned in a way that covers the desired detection area.
5. Connect the sensor to the power source using suitable electrical wiring.

Usage

Once the PIR Sensor Ulralim QS-08 is properly installed, it will automatically detect motion within its field of view and activate the connected load. Follow these steps to ensure optimal usage:

1. Verify that the power supply is connected and functioning correctly.
2. Before testing the sensor, adjust the sensitivity level using any available sensitivity adjustment knobs or switches.
3. Walk into the detection field of the sensor to trigger the load. The load should activate immediately.
4. Observe the sensor's ability to distinguish between day and night conditions. It should automatically activate

the load only during the desired time period.

5. If necessary, adjust the detection range and angle to suit your specific requirements.

Specifications

- Power Source: 220-240V/AC
- Power Frequency: 50Hz
- Ambient Light: [Ambient light specification]

Frequently Asked Questions (FAQ)

Q: Can the PIR Sensor Ulralim QS-08 be used outdoors?

A: No, this sensor is designed for indoor use only. It should not be exposed to harsh weather conditions.

Q: How can I adjust the sensitivity of the sensor?

A: The sensitivity level can usually be adjusted using dedicated knobs or switches located on the sensor itself. Please refer to the user manual for specific instructions on adjusting sensitivity.

Q: Can I connect multiple loads to the PIR Sensor Ulralim QS-08?

A: No, this sensor is designed to control a single load. Connecting multiple loads may cause malfunction or reduced performance.

Welcome to use PIR Sensor ukralim
The product has a sensitivity detector and an integrated circuit. It provides automation, convenience, safety and energy-efficiency. It utilizes the infrared energy reflected from human body as control-signal source and it sets off the load at once when one enters the detection field. It can identify day and night automatically. It is easy to install and has a wide usage application.

SPECIFICATION

- **Power Source:** 220-240V/AC
- **Power Frequency:** 50Hz
- **Ambient Light:** <10-2000LUX (adjustable)
- **Time Delay:** Min.10sec±3sec Max.7min±2min
- **Rated Load:**
  - Max.2000W
  - 1000W
- **Detection Range:** 360°
- **Detection Distance:** 6m max(<24℃)
- **Working Temperature:** -20~+40℃
- **Working Humidity:** <93%RH
- **Power Consumption:** approx 0.9W
- **Installation Height:** 2.2-4m

- **Detection Moving Speed:** 0.6-1.5m/s

FUNCTION

- Can identify day and night automatically: The consumer can adjust working state in different ambient light. It works in daytime and at night when it is adjusted on the "+" position (max). It works in the ambient light less than 10LUX when it is adjusted on the "-" position (min). As for the adjustment pattern, please refer to the testing instructions.
- Time-Delay is added continually: When it receives the second induction signals within the first induction, it will restart to time from that moment.


Good sensitivity

Poor sensitivity

INSTALLATION MANUAL

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.
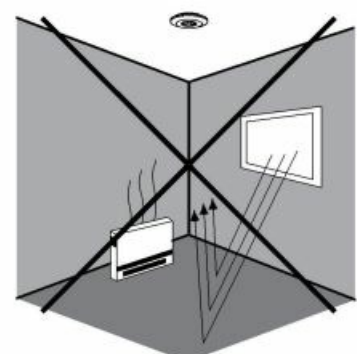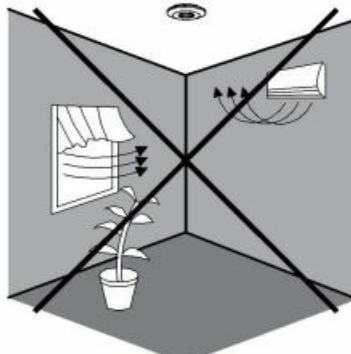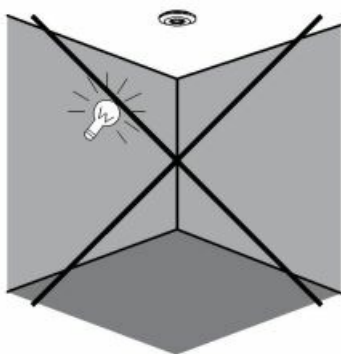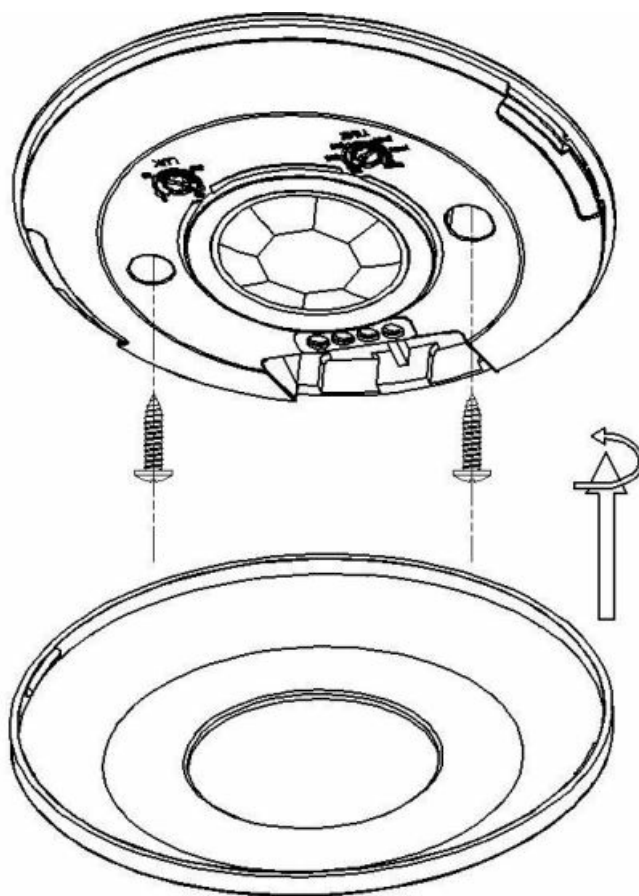

CONNECTION

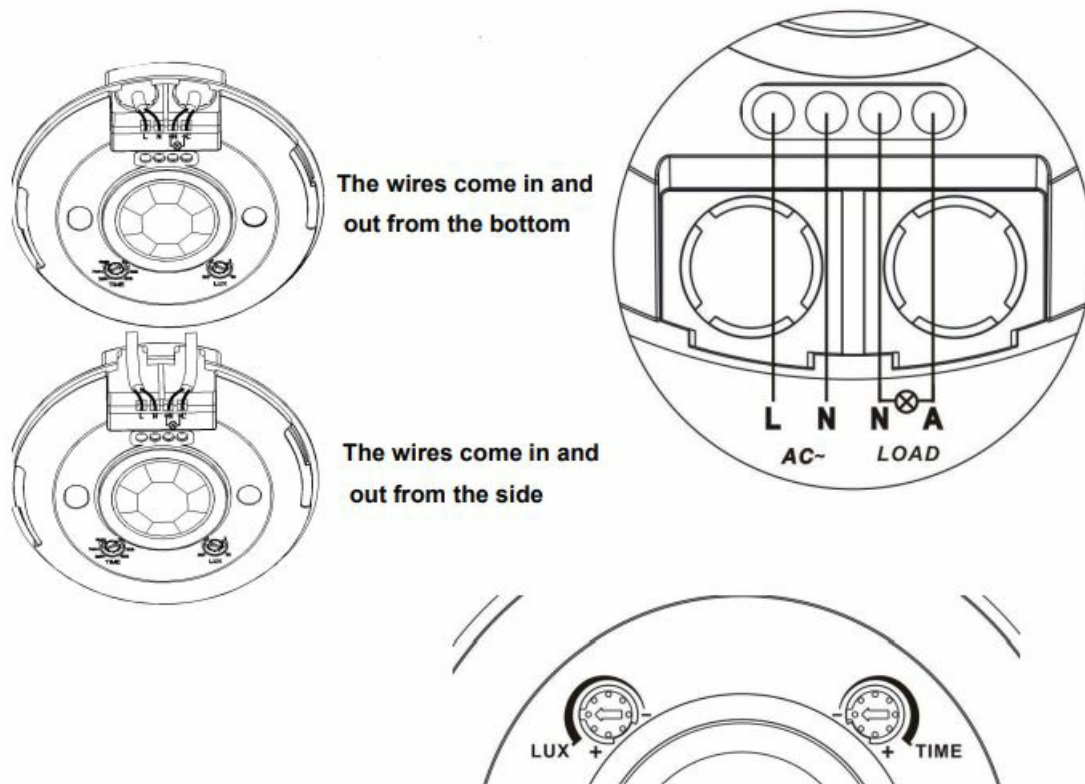### WARNING
Warning. Danger of death through electric shock!

- 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 remove 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

(See the right figure)

The wires come in and out from the bottom

The wires come in and out from the side

L   N   N⊗A
AC~   LOAD

LUX +   + TIME

TEST

- Turn the TIME knob anti-clockwise on the minimum (10s).Turn the LUX knob clockwise on the
    - **Height of installation**:2.2-4m
    - **Detection Distance:** Max.6m
- Switch on the power; the sensor and its connected lamp will have no signal at the beginning. After Warm-up 30sec, the sensor will start operating.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 10LUX, the sensor would not work and the lamp stop working too. If the ambient light is less than 10LUX (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.

TROUBLESHOOTING

- **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 does 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.

Documents / Resources

QUICK SENSE QS-08 Pir Ulralim Sensor [pdf] Instruction Manual
QS-08, QS-08 Pir Ulralim Sensor, Pir Ulralim Sensor, Ulralim Sensor, Sensor

References

- **User Manual**