Interior Flush Mount 360° Ceiling Sensor (3 Wire)

Description

The LXSR1200W is a unique Infrared Motion Sensor that utilizes a carefully integrated circuit to detect infrared energy. The Sensor includes user-friendly function.

- Can identify day and night: adjustable 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).
- Time-Delay is added continually: When it receives the second induction signals within the first induction, it will restart to time from the moment

Product Features:

- Power Source: 220-240V/AC
- Power Frequency: 50Hz
- Time Delay: Min 10 sec ± 3sec; Max 30min ±2min
- Rated Load: Max 1200W,300W
- Detection Moving Speed: 0.6 – 1.5m/s
- Detection Range: 360°
- Detection Distance: 6m max(<24℃)
- Ambient Light: <3-2000LUX(adjustable)
- Working Temperature: -20~ + 40°C
- Work Humidity: <93%RH
- Power Consumption: approx 0.5W
- Installation Height: 2.2 - 4m

Installation:

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

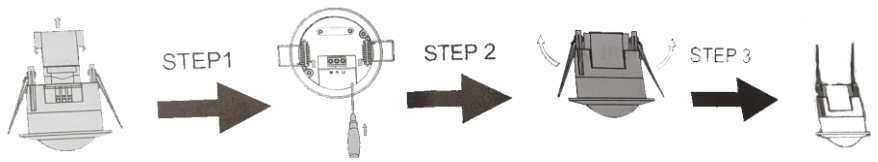
Connection

Warning:

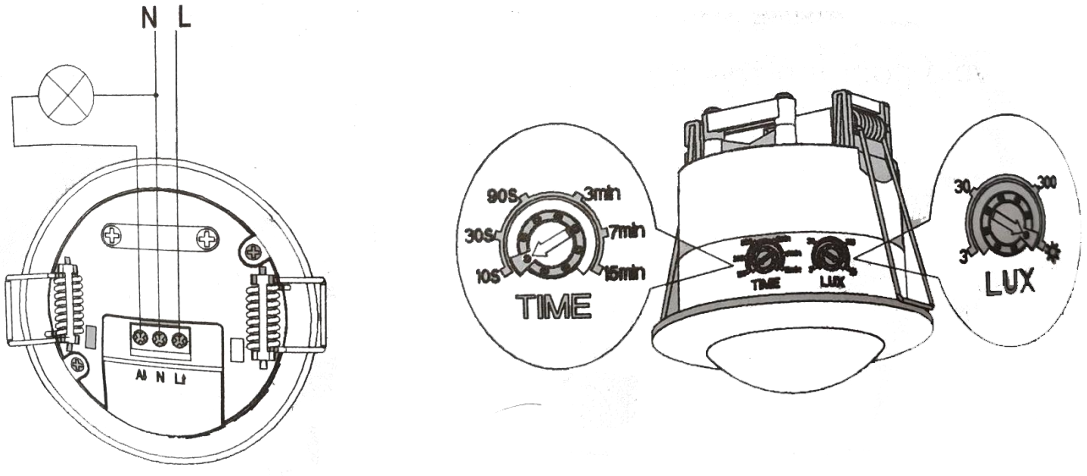
Warning. Danger of death through electric shock!

- Must be installed by a licensed electrician in Australia/New Zealand
- Disconnect power source before working.

- Remove the transparent cover which is at the bottom of the sensor
- Loosen the screw in the connection terminal, and then connect the power to connection terminal of sensor according to connection wire-diagram
- Install back the transparent cover into the original location
- Fold the metal spring of the sensor upwards, until they are in "I" position with sensor, and then put the sensor into the hole or installation box which is on the ceiling and has the similar size with the sensor. Releasing the spring, the sensor will be set in the installation position.
- After finishing installing, turn on the power and then test it.



Wire Diagram



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TEST:

- Turn the Time knob anti-clockwise on the to the minimum (10s). Turn the LUX knob Clockwise on the maximum(sun).
- After connection, allow 30 seconds for the sensor to switch ON. 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 connected load would not work. If you cover the detection window. The sensor will 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 could not work

SOME PROBLEM AND SOLVED WAY:

- The load does not work:
  - Check connection to the power supply
  - Check load is in working order
  - Check LUX settings
- 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.