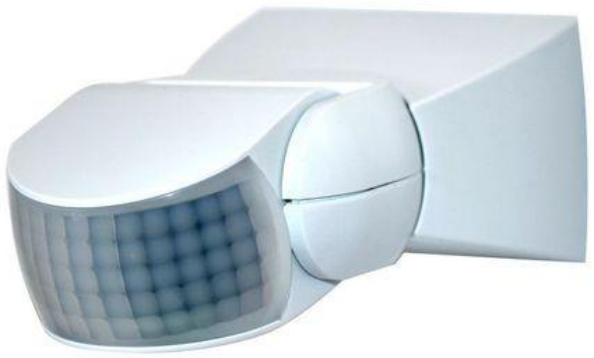
Surface Mount Adjustable Motion Sensor (3 Wire)



Description

The LXS1200W 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).
- SENS adjustable: It can be adjusted according to using location. The detection distance of high sensitivity could be 18m max.
- 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: 180°
- Detection Distance: 12m max(<24℃)
- Ambient Light: <3-2000LUX(adjustable)
- Working Temperature: -20~ + 40°C
- Work Humidity: <93%RH
- Power Consumption: approx 0.5W
- Installation Height: 1.8 - 2.5m

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

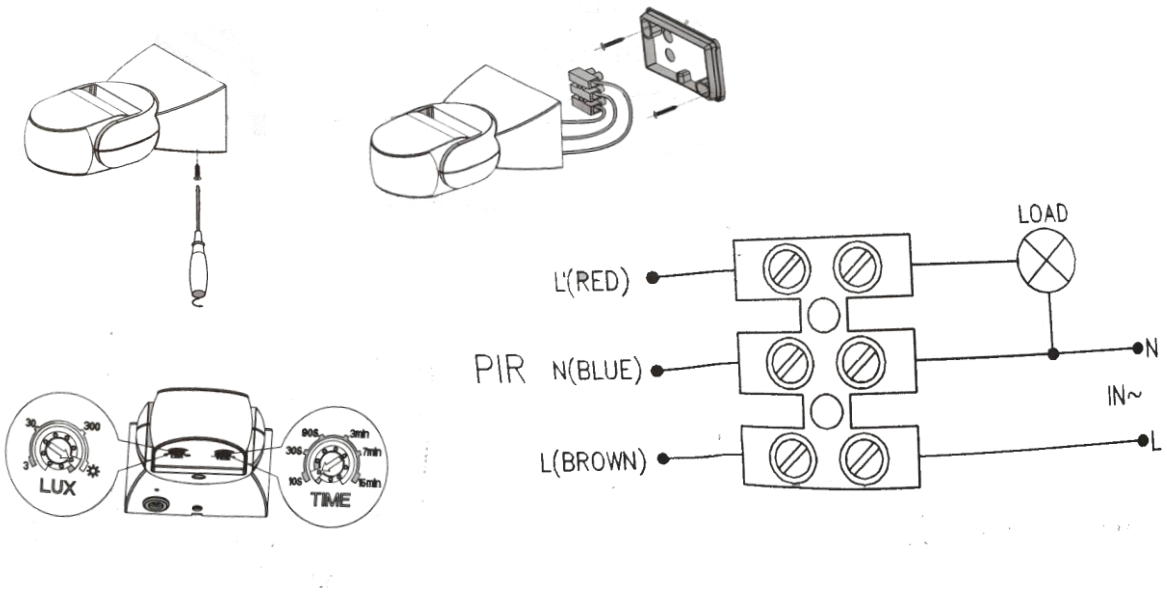
Warning:

Warning. Danger of death through electric shock!

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

- Loosen the screw on the base and unload the bottom
- Pass the power cable through the hole with seal in the bottom. Connect the power wire into terminal bloack according to the connection-wire diagram
- Fit the base to a flat surface to insure IP65 Rating
- Fit the sensor on the base, tighten the screw

Wire Diagram



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TEST:

- Turn the LUX knob clockwise on the to the maximum (sun). Turn the TIME knob to the minimum (10s).
- 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.