



## MS009 & MS010



### **SPECIFICATION:**

Power Source: 220-240V/AC

Power Frequency: 50/60Hz

Ambient Light: <3-2000LUX (adjustable)

Time Delay: Min.10sec±3sec

Max.30min±2min

Rated Load: Max.2000W  
1000W



Detection Range: 360°

Detection Distance: 20m max(<24°C)

Working Temperature: -20~+40°C

Working Humidity: <93%RH

Power Consumption: approx 0.5W

Installation Height: 2.2-6m

### **FEATURES:**

- Adjustable ambient Light setting: <3 - 2000 LUX
- Adjustable Time Delay Function: Min.10sec ± 3sec; Max. 15min ± 2min (Restarts from last movement).

### **MANUAL OVERRIDE FUNCTION:**

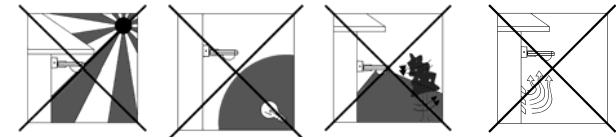
(1) To operate as a Light only (i.e. override sensor): Turn power OFF-ON, OFF-ON (twice) within 3 seconds.

(2) To reverse the override function (i.e. re-introduce the use of the sensor): turn power OFF, wait 3 seconds, then ON.

### **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:**

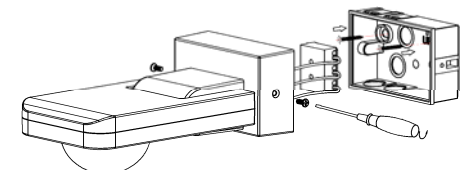


#### **WARNING**

**Warning. Danger of death through electric shock!**

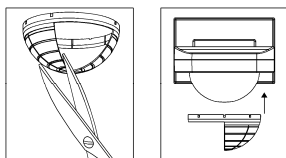
- Must be installed by professional electrician
- Disconnect power source.
- Cover any adjacent live components.
- Ensure device cannot be switched on.
- Check power supply is disconnected.

- Remove screw at bottom of sensor and open housing.
- Pass the wire through the cable entry and connect to junction box according to the wiring diagram.

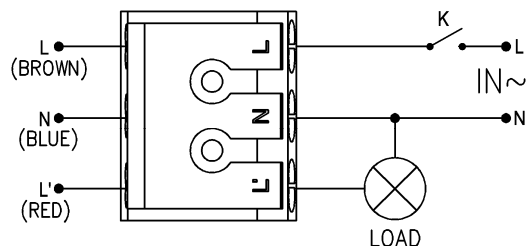


- Affix the bottom with inflated screw in the selected position.
- Attach body of the sensor to the bottom, tighten the screw and then test it.

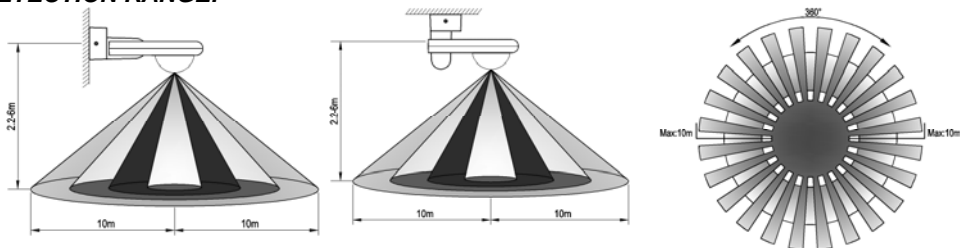
**Note: The plastic cover can be cut in order to increase the detection range. (Refer to figure below)**



#### WIRING DIAGRAM:



#### DETECTION RANGE:

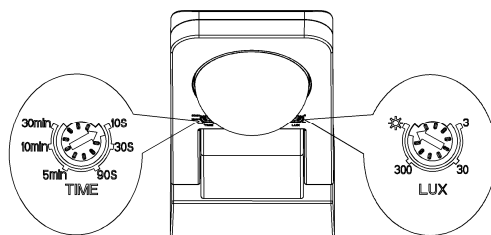


Height of installation: 2.2-6m

Detection Distance: Max.20m

#### TESTING:

- Turn the TIME knob anti-clockwise to minimum (10s). Turn the LUX knob clockwise to maximum (sun).
- Switch on the power; the sensor and its connected fitting will have no signal at the



beginning. After Warm-up (30sec), the fitting will be ready to work.

- Turn LUX knob anti-clockwise to minimum. If the ambient light is more than 3LUX, the lamp should not work. If the ambient light is less than 3LUX (darkness), the sensor will work. If no induction signal received the lamp should stop working within  $10\text{sec} \pm 3\text{sec}$ .

**Note: When testing in daylight, always turn LUX knob to ☀ (SUN) position**

#### TROUBLESHOOTING:

- The load does not work:
  - Check if wired correctly.
  - Check if the power is on.
  - Check if the sensor settings are correct according to the ambient light.
- The sensitivity is poor:
  - Check if there are any objects blocking signals sent to sensor.
  - Check if the ambient temperature is too high.
  - Check if the induction signal source is in the detection field (refer to Detection range).
  - Check if the installation height corresponds to the height advised in the instructions.
  - Check if the orientation of the sensor is correct.
- The sensor is not shutting off the load automatically (light remains on):
  - Check if there is continual signal in the detection field.
  - Check if the time delay setting is correct.