

# MS-02

## Infrared Motion Sensor

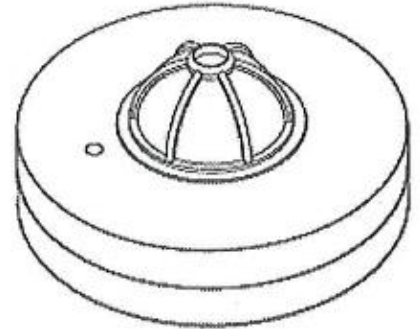


Meiji Ceiling Type Motion Sensor

## Instructions

## Thank you for using Meiji's MS-02

This product adopts a good sensitivity detector and an integrated circuit with surface-mount-technology (SMT) supported by its automatic, convenient, safe, energy-saving and practical functions. It utilized infrared energy from humans as a control-signal source and it can start the load at once when one enters the detection field. It can identify day & night automatically. It also easy to install and used widely.



### SPECIFICATION:

Power Sourcing: 220-240V/AC

Power Frequency: 50Hz

Ambient Light: 3-2000LUX (Adjustable)

Time Delay: Min. 10sec±3sec  
Max. 7min±2min

Rated Load: 1200W (incandescent lamp)  
300W (energy-saving lamp)

Detection Distance: 3-6m (<24°C) adjustable

Detection Range: 360°

Working Temperature: -20~+40°C

Working Humidity: <93%RH

Installing Height: 2.2m-4m

Power Consumption: 0.4W (work)  
0.1W (static)

Detection Moving Speed: 0.6-1.5m/s

### FUNCTION

- Can identify day & night automatically: The user can set for it to work during the day and night by turning the LUX knob to the SUN position (max). They can also set it to only work if the ambient light is less than 3LUX by turning the LUX knob to the MOON position (min). For details on how to adjust, please refer to testing diagram.
- SENSE Adjustable: it can be adjusted according to user's requirements. The detection distance for slow sensitivity is up to 3m; and high sensitivity is up to 6m which is best for large rooms.
- Time-Delay is added continually: when it received a second induction signal during the first induction, it will restart the time-delay from that moment.
- Time-Delay is adjustable: It can be set according to the customer's set time. The minimum time is 10sec±2min.

## INSTALLATION (see the diagram)

Switch off the power

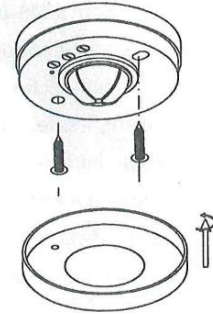
Open the upper cover counter-clockwise as per the diagram.

Fix the bottom on the selected position with the inflated screw.

Connect the power and the load to sensor as per connection-wire sketch diagram

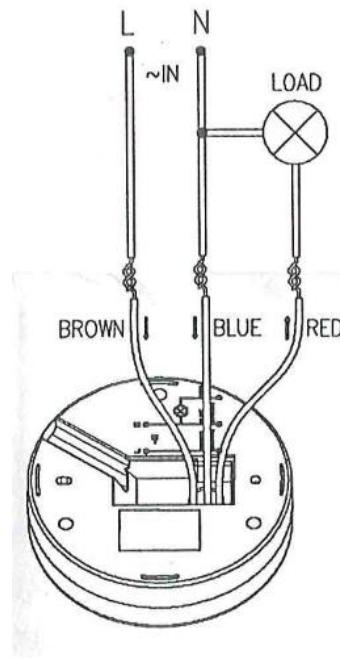
Close the upper cover on the sensor, turning the cover

clockwise when LED light bare, then you can switch on the power and test it.



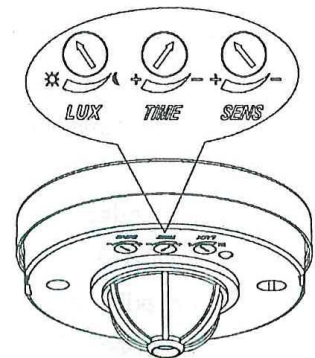
## CONNECTION-WIRE SKETCH DIAGRAM:

(see the right figure)



## TEST

- Turn the LUX knob clockwise on the maximum (sun), turn the TIME knob counter-clockwise on the minimum, and turn the SENS knob clockwise on the maximum.
- When you switch on the power, the control load and indication lamp are both working. Preheat for 30 seconds first. Later, the load and the indicator lamp should stop working within 5-30sec, and the indicator lamp is also turned off.
- After the sensor turns off, turn it on again after 5-10sec. the load should work. When there are no indicator signals in the



indicator lamp, the load should stop working within 5-15sec.

- Turn the ambient light knob counter-clockwise on the minimum. If it is adjusted less than 3LUX, the indicator load should not work after load stop working. If you cover the detection range with an opaque object (towel etc), the load should stop working within 5-15sec.

**Note: when testing in daylight please turn LUX knob to ☀ (SUN) position, otherwise the sensor lamp could not work!**

**NOTE:**

- Electrician or a professional should install it.
- There should be no hindrance or objects blocking detection.
- Avoid installing it near air temperature alteration zones, such as: air condition, central heating, etc.
- For your safety, please don't open the case if you find a hitch after installation.
- In order to avoid unnecessary damage to the product, please add a safety device with 6A rating when installing infrared sensor, such as fuse, safe tube, etc.

**Frequently asked questions:**

- The load doesn't work
  - a. Check the power and the load
  - b. Whether the indicator light is turned on after sensing? If yes, please check the load.
  - c. If the indicator light does not turn after sensing, please check if the working light corresponds to the ambient light.
  - d. Please check if the working voltage correspond to the power source
- The sensitivity is poor:
  - a. Please check if in front of the detection window there are hinder that effect to receive the signals.
  - b. Please check the temperature
  - c. Please check if the signal source is in the detection fields.
  - d. Please check the install height.
- The sensor can't shut automatically the load:
  - a. If there are continual signals in the detection fields
  - b. If the time delay is set the longest.
  - c. If the power corresponds to the instructions
  - d. If the air temperatures change near the sensor, air conditioning or central heating, etc.