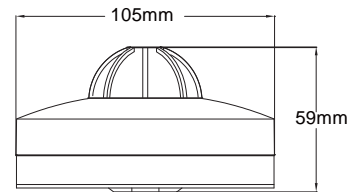
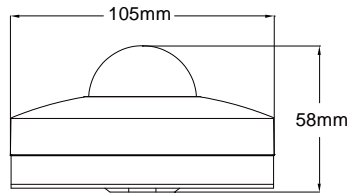
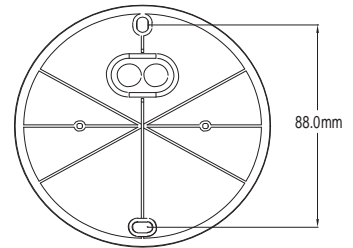


# ■ Infrared Sensor 1080 instruction



## PRODUCT INFORMATION

The product is a new saving-energy switch, it adopts good sensitivity detector, integrated circuit and SMT. It gathers automatism, convenient safe, saving-energy and practical functions. Three detectors inside compose a wide range detection field, it utilizes the infrared energy from human as control-signal source, it can start the load at once when one enters detection field. It can identify day and night automatically. It is easy to install and used widely, possessing the functions of power show and detecting show.



## SPECIFICATIONS

Power source: 100-130V/AC 60Hz □  
220-240V/AC 50Hz □

Rated load: 1200W Max. tungsten (220-240V/AC)  
300W Max. fluorescent (220-240V/AC)  
600W Max. tungsten (100-130V/AC)  
150W Max. fluorescent (100-130V/AC)

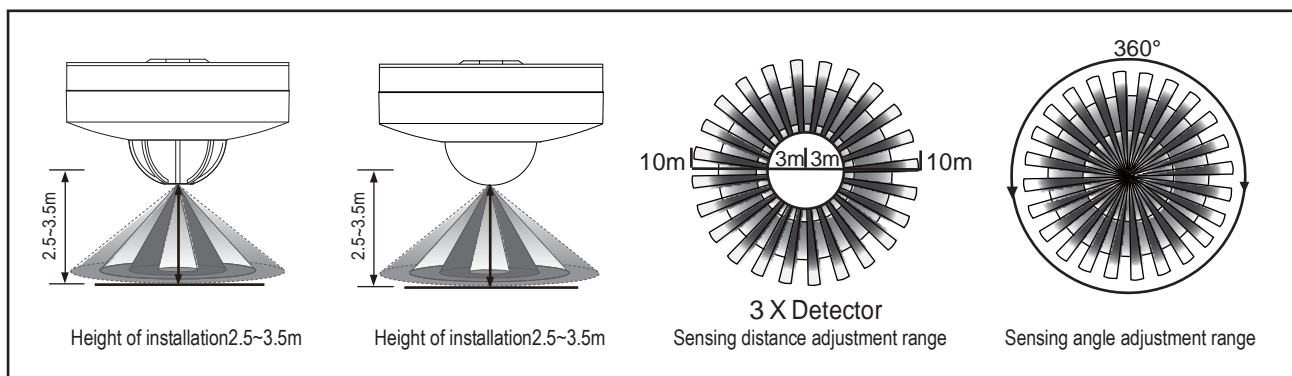
Standby power: working 0.45W (static 0.1W)

Time setting: 10sec-12min (adjustable)  
Detection range: 3-10m (radii.) (adjustable)  
Light-control: 10LUX~2000LUX (adjustable)  
Detection angle: 360° (ceiling installation)  
Installation height: 2.5~3.5m  
Working temperature: -10°C~+40°C  
Detection motion speed: 0.6~1.5m/s

Sensor's LED:

1. It always light after switch on power, and be off after the unit enter working state.
2. It light once when the unit receives sensing signal.

## INDUCTION RANGE



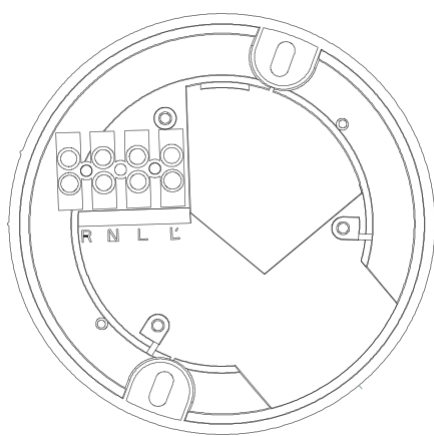
## FUNCTION

You can manually adjust the time setting, Sensitivity and light-control (For detail: see 1.knob setting); it is very easy to use. Install Sensor at 2.5~3.5m position on the wall (For detail: see 3. installation instruction) and connect the wire according to the 2. connection figure. Switch on power, after about 1 minute the unit enter stable working state. Here please turn TIME knob to the position close to minimum, and turn LUX to sun for testing. If it works normally, turn the TIME knob to the minimum "IMPULSE" position (I). When it senses again, the controlled lamp will be turned on and off regularly. If the above tests go through, then select the time, light-control and sensitivity to your need. So its installation is ok.

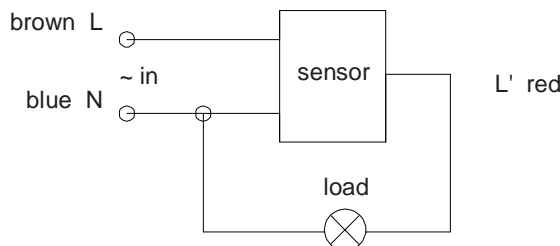
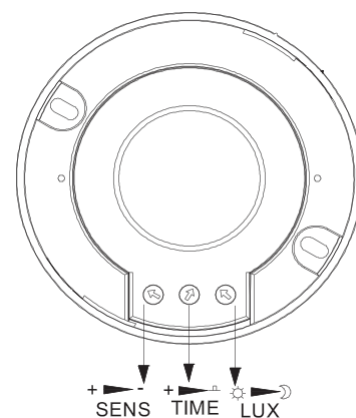
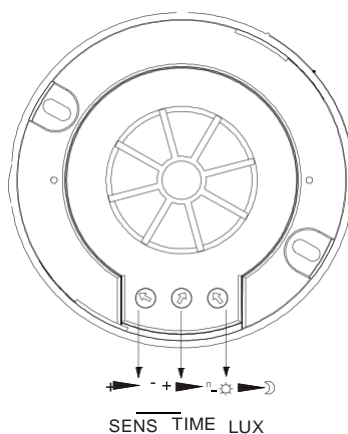
### KNOB SETTING

- ① SENS: Adjust detection range. Turn clockwise to increase it and turn anti-clockwise to decrease it. It is 3m when turn to mini, and it is 10m when turn to max.
- ② TIME: Adjust time setting of load work. Turn clockwise to increase it and turn anti-clockwise to decrease it. The time setting is about 12min when turn to max. It is in impulse mode when turn to mini. In impulse mode if you want turn to short time mode turn anti-clockwise a little when LED blink three times is ok.
- ③ LUX: Adjust working light. Turn clockwise to increase it and turn anti-clockwise to decrease it. When turn to mini, it will only work below the light-control about 10LUX, when turn to max, it can work any light-control.

### CONNECTION-WIRE DIAGRAM

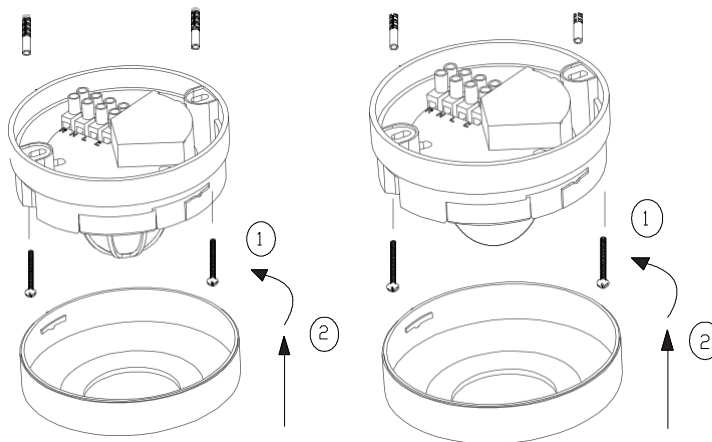


L: Power input  
N: Neural  
L': Load



### INSTALLATION INSTRUCTION

- (1) Before installing switch off power;
- (2) Rotate top cover anti-clockwise and take off it, tighten off the screws fixing bottom cover;
- (3) Install the bottom cover on selected position with screw (like ①);
- (4) According to the connection-wire diagram connect the power wire and load wire into the connection line column in sensor;
- (5) Button top cover on sensor and rotate it tighten clockwise (like ②), the installing finished.



### NOTE

- Should be installed by electrician or experienced man.
- Avoid installing it on the unrest objects.
- There shouldn't be hindrance and moving object in front of the detection window effecting detection.

- Avoid installing it near air temperature alteration zones such as air condition, central heating, etc.
- Considering your safety, please don't open the cover when you find the hitch after installation.
- If there is difference between product and instruction, please refer to product mainly.

**ATTENTION:** When use this product, please adjust the sensitivity to an appropriate position you need, please do not adjust the sensitivity to maximum, to avoid the product does not work normally caused by wrong motion. Because the sensitivity is too high easily detect the wrong motion by wind blowing leaves & curtains, small animals, and the wrong motion by interference of power grid & electrical equipment. All those lead the product does not work normally !

When the product does not work normally, please try to lower the sensitivity appropriately, and then test it.

### SOME PROBLEM AND SOLVED WAY

- The load don't work:
  - a. Please check the power and load connect is correct.
  - b. Check if the load is good.
  - c. Check if the show lamp accelerates its speed after detecting.
  - d. Check if the working light corresponds to the ambient light.
- The sensitivity is poor:
  - a. Please check if there is hinder in front of the detection window to effect receiving the signals.
  - b. Please check if the ambient temperature is too high.
  - c. Please check if the signals source is in the detection fields.
  - d. Please check if the installation height corresponds to the height showed in the instruction.
  - e. Please check if the moving orientation is correct.
- The sensor can't shut the load automatically:
  - a. Check if there are continual signals in the detection fields.
  - b. Check if the time delay is set to the longest.
  - c. Check if the power corresponds to the instruction.
  - d. Check if the temperature change obviously nears the sensor, such as air condition or central heating etc.

### **Warning!**

- When used in different environments, please do not to adjust the sensitivity to the highest. Because that could easily lead to malfunction.
- Please confirm with professional installation.
- Please cut off power supply before installation and removal operations.
- Make sure that you have cut off the power for safety purposes.
- Improper operation caused losses, the manufacturer does not undertake any responsibility.

We are committed to promoting the product quality and reliability, however, all the electronic components have certain probabilities to become ineffective, which will cause some troubles. When designing, we have paid attention to redundant designs and adopted safety quota to avoid any troubles.

This instruction, without our permission, should not be copied for any other purposes.