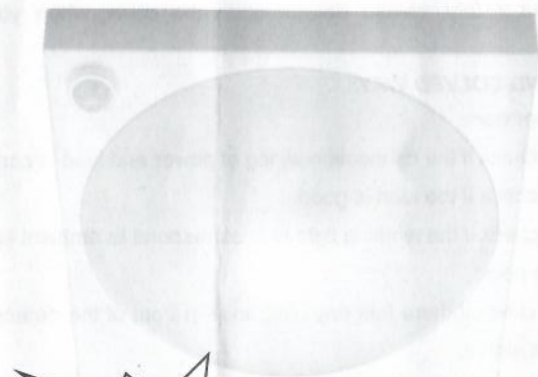


# 70AE

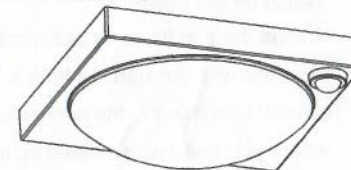
## Infrared LED Sensor Lamp



### Instruction

#### Welcome to use our 70AE Infrared LED Sensor Lamp with emergency!

The product is an energy-saving automatic sensor lamp, adopting integrated circuit and precise detecting components. It gathers automatism, convenience, safety, saving-energy and practical functions. Its performance is stable. It can identify day and night. The lamp can turn on



when one enters detection field and can turn off automatically when one leaves detection field.

#### SPECIFICATION:

Power Sourcing: 110-240V/AC

Power Frequency: 50/60Hz

Ambient Light: <3-2000LUX(adjustable)

Time Delay: Min. 10sec  $\pm$  3sec

Max. 5min  $\pm$  1min

Rated Load: 12W (AC)

(24PCS LED)

Emergency Load: 1.2W (DC)

(6PCS LED)

Detection Range: 360°

Detection Distance: max. 6m (<24°C)

Working Temperature: -20~+40°C

Working Humidity: <93%RH

Installation Height: 2.2-4m

Batter: 3.7V/1500mAH lithium battery

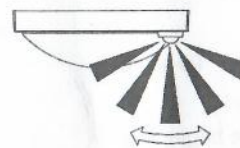
Detection Motion Speed: 0.6-1.5m/s

Continuous illumination time: 3hours

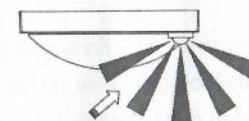
(when the battery power supply)

#### FUNCTION:

- This sensor lamp has emergency function. When there is no AC power supply, the sensor lamp can still work normally and the battery can keep the LED on for 3hours.
- Can identify day and night: The consumer can adjust 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 "moon" position (min). As for the adjustment pattern, please refer to the testing pattern.
- Time-Delay is added continually: When it receives the second induction signals within the first induction, it will restart to time from the moment.
- Adjustable Time Delay: the length of time delay could be set according to the customers' requirement, the minimum time of this item is 10sec  $\pm$  3sec, and the maximum is 5min  $\pm$  1min.



Good sensitivity



Poor sensitivity

### INSTALLATION:

- Switch off the power.
- Unload the plastic cover anti-clockwise to open it. (refer to figure1)
- Pass the wire through the hole in the bottom and connect the power wire into connection-wire column according to the connection-wire diagram. Install the sensor lamp in the position where you need with inflated screws. (refer to figure2)
- Switch on the power and test it.

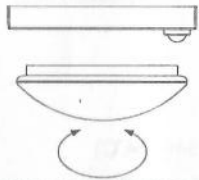


Figure1

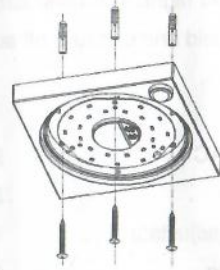
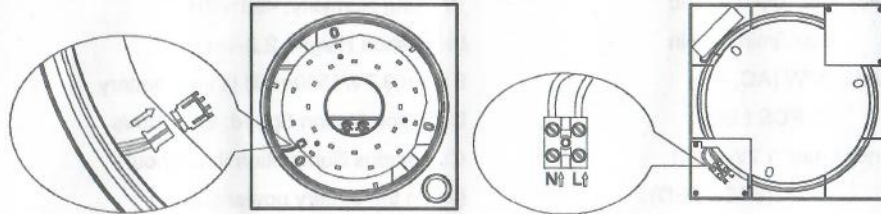


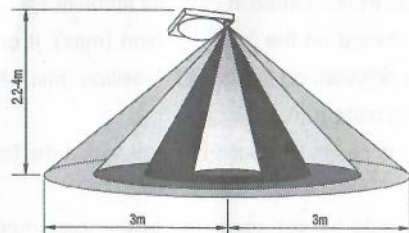
Figure2

### CONNECTION-WIRE DIAGRAM:

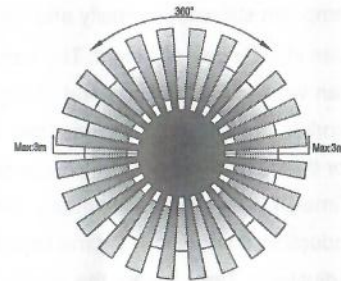


**Note:** Connect the electronic wire from battery with LED panel first, then continue to connect the lamp with AC power

### SENSOR INFORMATION:



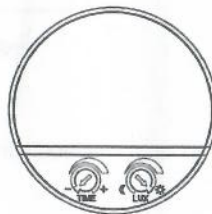
Height of installation: 2.2-4m



Detection Distance: Max.6m

### TEST:

- Turn the TIME knob anti-clockwise on the minimum. Turn the LUX knob clockwise on the maximum (sun).
- Switch on the power; the lamp will have no signal at the beginning.



After Warm-up 30sec, the lamp can start work .If it receives the induction signal, the lamp will turn on. While there is no another induction signal any more, the lamp should stop working within  $10\text{sec} \pm 3\text{sec}$ .

- Turn LUX knob anti-clockwise on the minimum (moon). If the ambient light is more than 3LUX, the lamp should not work. If the ambient light is less than 3LUX (darkness), the sensor would work. Under no induction signal condition, the lamp should stop working within  $10\text{sec} \pm 3\text{sec}$ .
- If you cut the power, the sensor lamp will flash once and then the battery supply DC power and the sensor lamp can work normally again.

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

### NOTE:

- Should be installed by electrician or experienced person.
- Avoid installing it on the uneven object.
- There should be no hindrance and moving objects in front of the detection windows to affect detection.
- Considering your safety, please do not open the cover when you find the hitch after installation.

### SOME PROBLEM AND SOLVED WAY:

- The load does not work:
  - Please check if the connection-wiring of power and load is correct.
  - Please check if the load is good.
  - Please check if the working light sets correspond to ambient light.
- The sensitivity is poor:
  - Please check if there has any hindrance in front of the detection window to affect to receive the signal.
  - Please check if the ambient temperature is too high.
  - Please check if the induction signal source is in the detection fields.
  - Please check if the installation height corresponds to the height showed 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 the longest.
  - Please check if the power corresponds to the instruction.