

Infrared Motion Sensor

CR-5



Instruction

Welcome to use CR-5 Infrared motion sensor!

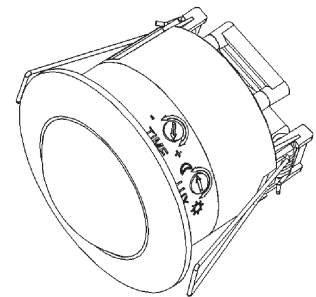
The product is a new saving-energy switch, it adopts good sensitivity detector, integrated circuit. It gathers automatism, convenient safe, saving-energy and practical functions. It utilizes the

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.

SPECIFICATION

Power Sourcing: 220V/AC-240V/AC
Power Frequency: 50Hz
Ambient Light: 3-2000 LUX (Adjustable)
Time-Delay: min. 10sec $\pm$ 3sec
Max. 7min $\pm$ 2min
Rated Load: 1200 W (incandescent lamp)
300 W (energy-saving lamp)
Detection Distance: 6m max ($<24^\circ$)

Detection Range: 360°
Working Temperature: -20~+40°C
Working Humidity: <93%RH
Installing Height: 2.2m~4m
Power Consumption: 0.45 W (work)
0.1 W (static)
Detection Motion Speed: 0.6 ~ 1.5 m/s

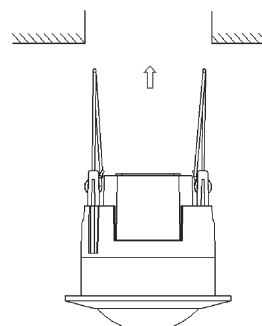
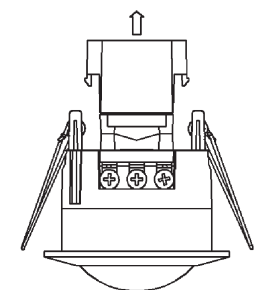


FUNCTION:

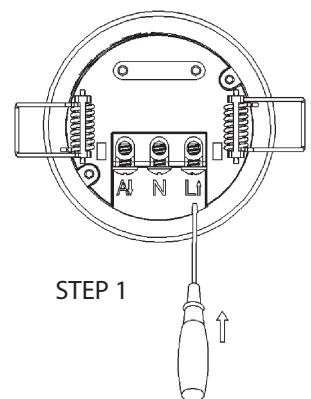
- Identify day and night automatically. Can adjust ambient light according to your desire: when turn to SUN (max), it will work in the daytime and at night. When turn to MOON (min), it will only work under less than 3LUX circumstance. As for Adjustment, please refer to testing way.
- Time-delay is added continually: when it receives the second induction signal after the first inductor, it will compute time once more on the rest of the first time-delay basic (Set time) .
- Time-delay adjustment: it can be set according to your desire. The minimum is 10 $\pm$ 3 sec; the maximum is 7 $\pm$ 2min.

INSTALLATION: (as following drawing.):

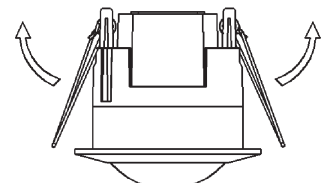
- Turn off the power.
- Moving the transparent vinyl cover what is in the bottom of the sensor.
- Loosing the screws in the connection terminal, connecting the power and rated load to connection terminal of sensor according to connection sketch map.
- Tighten the screws, put the transparent vinyl cover into the original station.
- Folding the metal spring of the sensor to upwards, until they are in "I" position with sensor, then put the sensor into the hole or installation box what is in the ceiling, the size is similar with item. Releasing the spring, the sensor will be set in this installation position.
- After finishing installing, the sensor could be connected the power and testing it.



STEP 3



STEP 1



STEP 2

CONNECTION SKETCH FIGURE:

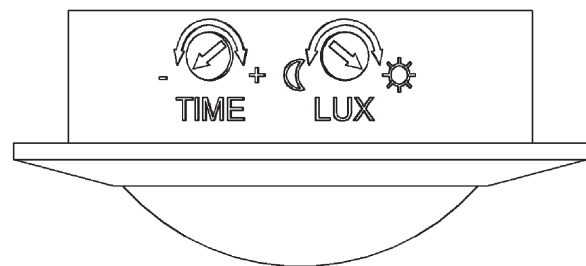
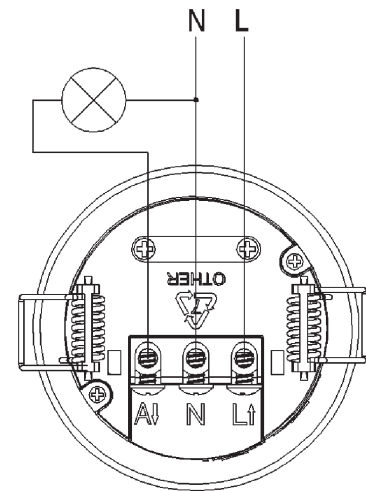
(As per right drawing)

TEST

- Turn the TIME knob anti-clockwise on the minimum, turn the LUX knob clockwise on the maximum (sun).
- Turn on the power, the sensor will be electrify and warm-up, 30 sec later, the item will be entered into working estate.
- 5~10 seconds after the light goes out for the first time and then sensing, the load should be worked.
- Turn LUX knob anti-clockwise on the minimum (moon). The inductor load should not work after load stop working. If you cover the detection window with the opaque objects (towel etc), the load work .under no induction signal condition, 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:

- 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.

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 working light corresponds to the ambient light.

• 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.

• 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.,

EMC (2004/108/EC) and LVD (2006/95/EC) Directives

CE Marking



Our products are manufactured to comply with the requirements of the following directives and national regulations implementing the directives:

- Electromagnetic compatibility EMC 2004/108/EC.
- Low voltage LVD 2006/95/EC with further amendment. The Directive applies to electrical equipment designed for use with a voltage rating of between 50VAC and as well as 75VDC and 1500VDC.

WEEE Directive 2002/96/EC

Information on Disposal for Users of Waste Electrical and Electronic Equipment.



This appliance is marked according to the European 1000VAC Directive on Waste Electrical and Electronic Equipment (2002/96/EC) and further amendments. By ensuring this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

The symbol on the product, or the documents accompanying the product, indicates that this appliance may not be treated as household waste. It shall be handed over to the applicable collection point for used up electrical and electronic equipment for recycling purpose. For more information about recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.

RoHS Directive 2002/95/EC

Out of concern for human health protection and friendly environment, we assure that our products falling under RoHS Directive regulations, regarding the restriction of the use of hazardous substances in electrical and electronic equipment, have been designed and manufactured in compliance with the above mentioned regulations. Simultaneously, we claim that our products have been tested and do not contain hazardous substances whose exceeding limits could have negative impact on human health or natural environment.