

Halogen sensor floodlight

FL-500H

INSTRUCTION

Welcome to using:

The product is an energy saving automatic sensor lamp, It can identify day and night. It adopts discharging detector by infrared energy, IC and SMD technology. Its performance is stable. When one enters the it's detection range and trigger it, the infrared sensor work and turn on the lamp; after one leaves, the lamp die out automatically.



FEATURE

- 1.Can identify day and night automatically, and the ambient light of starting work can be adjusted, so it works at night automatically and stops in the daytime.
- 2.Time-delay can be adjusted varying with the place.
- 3.The time delay can be adjusted vary to the place.
- 4.The light-time can add automatically. When human moved in the detection fields under the lamp lighting, it can compute time once more and delay the light-time automatically after it detects the signal each time.

SPECIFICATION

Detection range: 180° ☐
140° ☐
Power source: 90V/AC~130V/AC ☐
220V/AC~240V/AC ☐

Detection distance:12m(<24℃)

Time-delay: 5sec~9min±1min

Rated load: 500w

Ambient light:3LUX~2000LUX(adjustable)

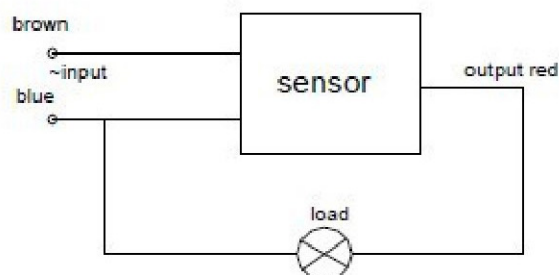
Working temperature:-10℃+40℃

Working humidity:<93%RH

Installation height:1~3m

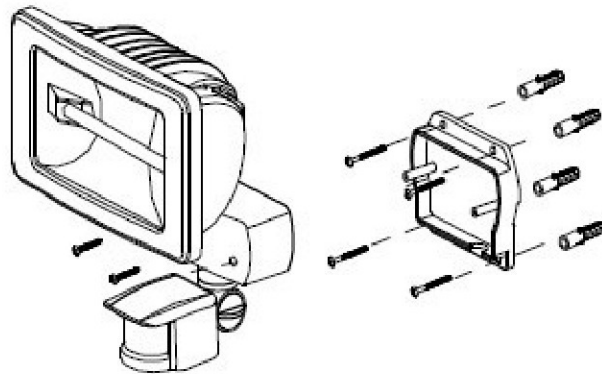
CONNECTION FIGURE

1. The blue, red and brown be from sensor;
2. Connect brown and blue with power;
3. Connect red and blue with power;

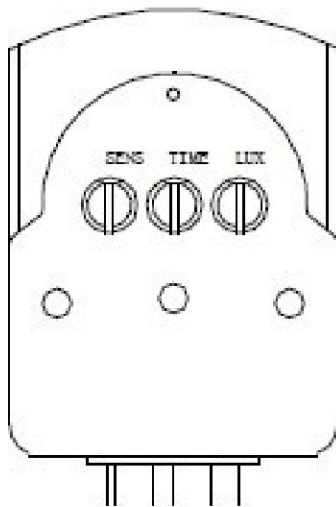


INSTALLATION

1. Please tighten off the screw fixing the connection box cover, take off the cover;
2. according to the connection figure connect the power;
3. fix the cover in the selected position.
4. please cover the connection box and tighten the screw.



TEST



1. Time-delay adjustment knob(TIME): the user can select time delay according to his desire, normally when installing and measuring, adjusting the time knob to the minimum can make installation simple and convenient. After installing you can select the lighting time between 5sec and 7min $\pm$ 2min. when setting time and confirming the testing time, make the sensor head downward, lest that in front of it there is moving signal to make the set time inexact.

2. Light adjustment knob(LUX): with the knob users can select certain ambient light(day~light) that the sensor induct automatically. Usually 3lux

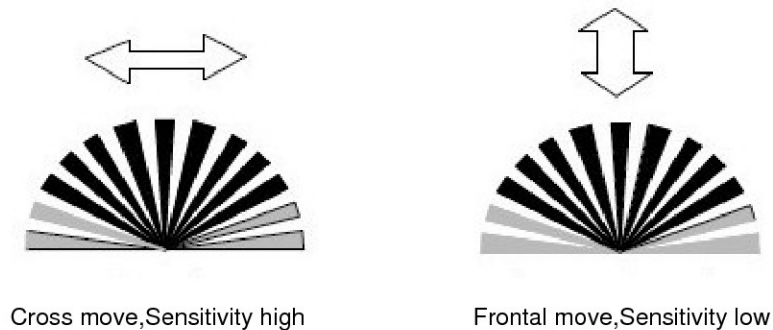
is the night value, and 100Lux~2000LUX should be the day value.

3. So when setting time for the first, the user can repeat to adjust the LUX knob according to desire until it is your need.

4. Sensitivity adjustment knob SENS: the product's longest detection distance is 12m, it is the longest distance when the ambient temperature is 24 $^{\circ}$ C. if the temperature is too high, the detection distance will shorten. The sensitivity in winter is very high, and in summer it is lower. User can adjust the SENS knob according to the using coverage so that the sensor lamp induct automatically in the needed distance.

SPECIAL ATTENTIONS

1. Avoid installing the unit on the wagging object, for example the tree,etc. because the wagging will lead the sensor to induct; falsely and make the lamp on;
2. Avoid installing the unit where the sunshine is exposed directly.;
3. Don't install the unit where there is much rain. Because the induction sensitivity will reduce where there is much rain;
4. Don't make the unit facing the public road, because the person moving on the public road and the high temperature gas also probably lead the lamp on;
5. The unit's sensitivity is very high to human body's moving breadthwise.but it is very low to moving frontal. So when installing it , you should select a position that a moving object can move breadth wise with the sensor, so that the sensor lamp work reliably.(like the following sense figure)



Attention: when testing it in the daytime, you should adjust the LUX knob to the position, otherwise the sensor will not induct the lamp on!