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## Instructions DETECT IP65

The product adopts good sensitivity detector and integrated circuit. It gathers automatism, convenience, safety, saving-energy and practical functions. It utilizes the infrared energy from human as control-signal source and 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.

### I. Specifications

Power Source	220-240 V/ AC
Power Frequency	50Hz
Detection Range	180°
Detection Distance	12m (<24°C)
Ambient light	<3-2000LUX (adj.)
Time Delay	Min. 10sec.±3sec. (adj.) Max. 15min.±2min (adj.)
Rated Load	Max. 1200W 300W
Working Temperature	-20~+40
Working Humidity	<93%RH
Power Consumption	approx.0.5W
Installation Height	1.8-2.5m
Detection Moving Speed	0.6-1.5m/s



### II. Functions

- 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 period, it will compute time once more on the basic of the first time-delay rest

### III. Installation Advice:

As the detector responds to changes in temperature, avoid the following situations:

- Avoid pointing the detector towards objects with highly reflective surfaces, such as mirrors etc.
- Avoid mounting the detector near heat sources, such as heating vents, air conditioning units, light etc.
- Avoid pointing the detector towards objects that may move in the wind, such as curtains, tall plants etc.

### IV. Connection

- Switch off the power.
- Loosen the screw on the bottom and unload the bottom (refer to the figure1).
- Pass the power wire through the hole with gasket in the bottom. Connect the power wire into connection-wire column according to the connection-wire diagram.
- Fix the bottom with inflated screw on the selected position (refer to the figure2).
- Install back the sensor on the bottom, tighten the screw and then test it.

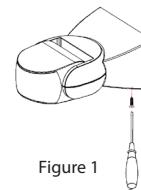


Figure 1

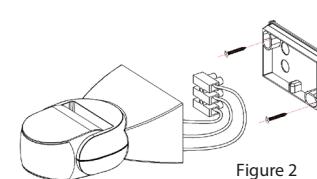


Figure 2

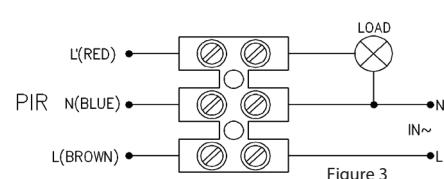
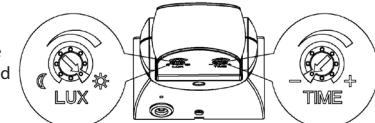


Figure 3

### V. Test

- Turn the LUX knob clockwise on the maximum (sun); turn the TIME knob anti-clockwise on the minimum (-).
- Switch on the power; the sensor and its connected lamp will have no signal at the beginning. After Warm-up 30sec, the sensor can start work .If the sensor receives the induction signal, the lamp will turn on. While there is no another induction signal any more, the load should stop working within 10sec±3sec and the lamp would turn off.
- Turn LUX knob anti-clockwise on the minimum (moon). If the ambient light is more than 3LUX, the sensor would not work and the lamp stop working too. If you cover the detection window with the opaque objects (towel etc), the sensor would work .Under no induction signal condition, the sensor should stop working within 10sec±3sec.

**Note:** when testing in daylight, please turn LUX knob to (SUN) position, otherwise the sensor lamp could not work! If the lamp is more than 60W, the distance between lamp and sensor should be 60cm at least.



### VI. Some Problem and Solved way:

The load do not work:

- Resolution:** 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:

- Resolution:** 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:

- Resolution:** 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.



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