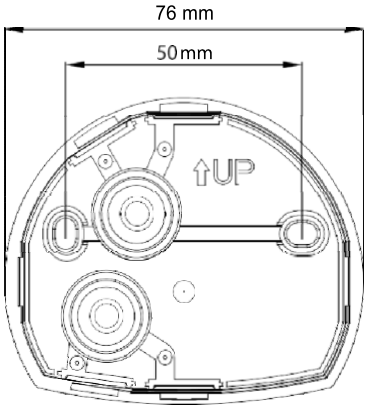
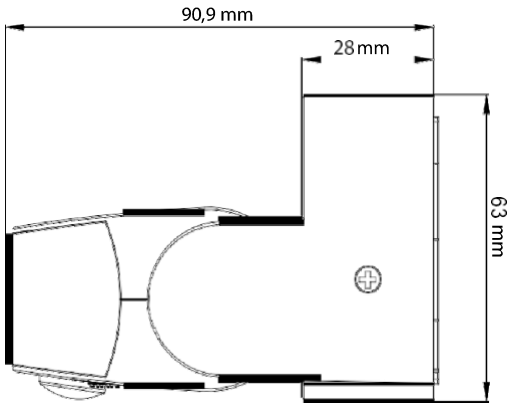
INFRARED MOTION SENSOR





This user manual should be read carefully as it contains important notes on the safety, use and maintenance of your device.

Keep it in a safe place and transmit it if the device changes ownership

1. TECHNICAL DATA

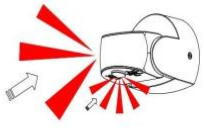
Reference	**DETECTOR IR IP65**	**DETECTOR IR IP65 N**
Color	White	Black
Voltage	220-240V/AC	220-240V/AC
Power frequency	50 / 60Hz	50 / 60Hz
Ambient Light	< 3-2000 LUX (adjustable)	< 3-2000 LUX (adjustable)
Time Delay	Min.10 sec ± 3sec Max.15min ± 2min	Min.10 sec ± 3sec Max.15min ± 2min
Detection Range	180° / 360°	180° / 360°
Detection Distance	12m max (<24°)	12m max (<24°)
Working Temperature	-20 ~ + 40 ° C	-20 ~ + 40 ° C
Working Humidity	< 93% HR	< 93% HR
Power Consumption	Approximately 0.5W	Approximately 0.5W
Installation Height	1,8-2,5m	1,8-2,5m
Detection Moving Speed	0.6-1.5m/s	0.6-1.5m/s
Rated load	Max. 1200W (Incandescent light) 600W (Energysaving lamp / LED)	Max. 1200W (Incandescent light) 600W (Energysaving lamp / LED)
Guarantee	3 years	3 years

2. FUNCTION

• 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 “3” 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.

Good sensitivity

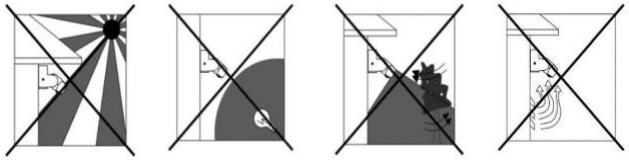


Poor sensitivity

Using advice :

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

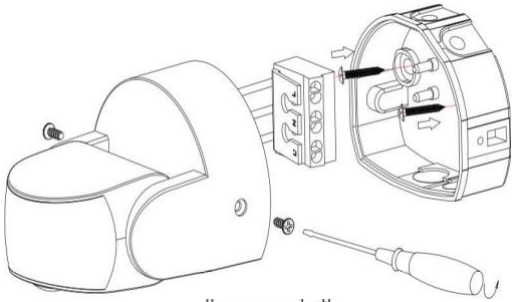
- Avoid pointing the detector towards objects with highly reflective surfaces, like mirrors etc.
- Avoid mounting the detector near heat sources as heating vents, air conditionings, light etc.
- Avoid pointing the detector towards objects that may move in the wind, such as curtains, tall plants etc



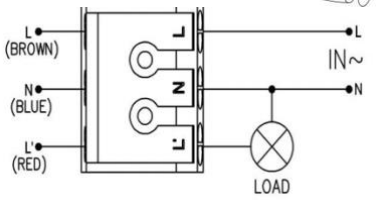
3. INSTALLATION

Warning. Danger of death through electric shock!

- Must be installed by professional electrician.
- Disconnect power source.
- Cover or shied any adjacent live components.
- Ensure device cannot be switched on.
- Check power supply is disconnected.



1. Loosen the screws on each side
2. Connect the power supply and the load according to the wiring diagram in accordance with the connection cable diagram.
3. Fix the bottom to the selected position with the inflated screw (see figure)
4. Install the top cover of the sensor, then turn on the power and test it.



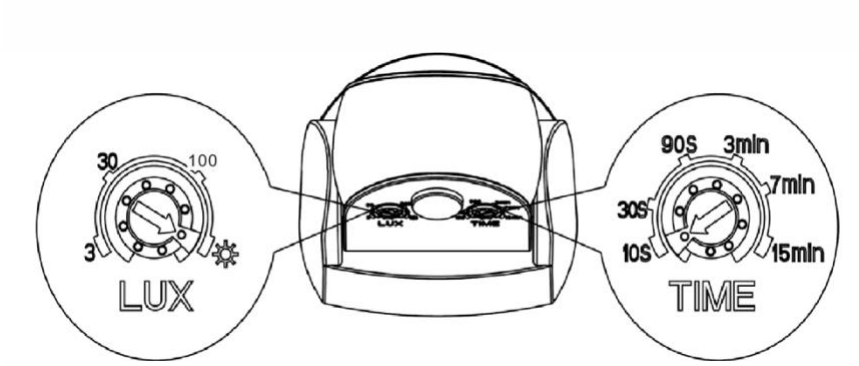
4. TEST

1- Turn the LUX knob clockwise as far as it will go (sun). Turn the TIME knob counterclockwise to a minimum (10 s).

2- Turn on the power; the sensor and its connected lamp will have no signal at the beginning. After 30 seconds of preheating, the sensor can start working. If the sensor receives the induction signal, the lamp lights up. The charge should stop working within 10 ± 3 seconds and the detector will turn off.

3- Turn the LUX knob counterclockwise to the minimum (3). If the ambient light is higher than 3LUX, the sensor does not work and the lamp stops working too. If the ambient light is less than 3LUX (dark), the sensor will operate. In the absence of an induction signal, the sensor must stop working within 10 ± 3 seconds.

Note: When testing in daylight, turn the LUX knob to the ☼ (SUN) position, otherwise the sensor light could not work!



5. SENSOR INFORMATION

It can detect the front, the bottom and the back.