LOWENERGIE™
Quality Energy Saving Products

500w Wall Mounted Infrared Motion Sensor

Please read the instructions fully before attempting installation.

This product is a new saving-energy switch, it adopts good sensitivity and has integrated circuit. Convenient to use, safe, saving energy and practical functions. It utilises the infrared energy from human as a control-signal source, it can start the load at once. It can identify day and night automatically. It is easy to install and can be used in many applications.

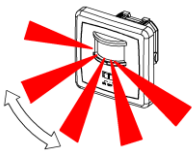
SPECIFICATION:

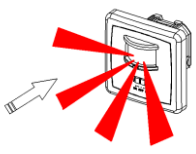
Power Sourcing	220V - 240V/AC
Detection Range	>140°
Power Frequency	50 ~ 60Hz
Working Temperature	-20 ~ +40°C
Ambient Light	3-2000 LUX (Adjustable)
Working Humidity	<93%RH
Time Delay	Min: 10sec ± 3sec Max: 7min ± 2min (adjustable)
Installation Height	0.4m - 1.8m
Detection Distance	10m max (<24°C)
Detection Motion Speed	0.6~1.5m/s
Power Consumption	0.45W (work) 0.1W (static)
Rated Load	500W (Tungsten) 125W (Fluorescent/LED)

FUNCTIONS:

- Can identify day and night: The consumer can adjust work 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 5 LUX 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 after the first induction, 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 the consumer’s desire. The minimum time is 5sec±3sec. The maximum is 7min±2min.
- The switch: “ON”、“OFF”、“PIR”.

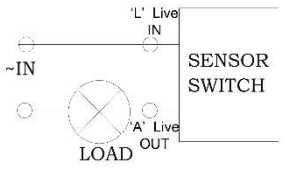


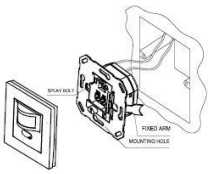


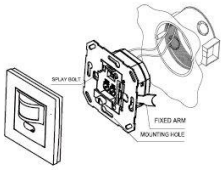
Good Sensitivity

Poor Sensitivity

WIRING DIAGRAM





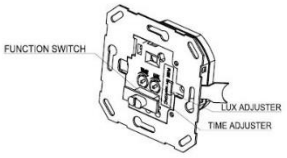


INSTALLATION - SEE DIAGRAM FOR WIRING

1. Switch off electricity at mains.
2. Loosen the connection column on the bottom of sensor
3. Prepare wires
4. Place wires into connection terminals as per diagram
5. Tighten the screws
6. Switch on the power then test it.

TESTING

1. Set the function switch to “ON”,
2. Turn the TIME dial anti-clockwise on the minimum after taking the board-face off, turn the LUX dial clockwise on SUN position (if you test it in daylight).
3. Switch on the power, the lamp should be on.
4. Set the function switch to “OFF”, the lamp should be off immediately, all functions should be in “stop” state.
5. Set the function switch to “PIR”, after 30sec later, it will enter into working position. If signal is received the lamp will be turned on and remain on for approx. 20 seconds. If no signal the lamp will go off within 5~10 seconds .
6. Set “LUX” anti-clockwise to minimum, this must be done when it is not receiving any signal. The lamp should not work during daytime however you can use a opaque object to cover sensor for testing. The lamp should be on, then off within 5~10 seconds.



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

Troubleshooting

Light not illuminating?

- Check the power and the load are connected correctly.
- Check the load is good.
- Check ambient brightness is higher than your LUX setting.

Sensitivity not working?

- Check for obstructions
- Check ambient temperature is not too high
- Check that the signal source is within detection range as per specification
- Check that the installation height corresponds to the height shown in the specifications.

Light staying on?

- Check for obstructions
- Check TIME dial
- Check the power connections
- Check if the sensor is near air conditioning unit, central heating where temperature can change rapidly.

Guarantee

This 500w wall mounted selection switch is guaranteed for a period of 12 months from date of purchase.

Please retain for future reference

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www.lowenergie.com

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