



vtech Microwave Sensor(Vt-8018) Installation Guide

[Home](#) » [vtech](#) » vtech Microwave Sensor(Vt-8018) Installation Guide 



WEEE Number: 80133970
INSTALLATION INSTRUCTION
MICROWAVE SENSOR(VT-8018)



2 YEARS WARRANTY

Contents

[1 TECHNICAL DATA:](#)

[2 INTRODUCTION & WARRANTY](#)

[3 FUNCTION:](#)

[4 INSTALLATION DIAGRAM:](#)

[5 CONNECTION-WIRE DIAGRAM](#)

[6 TEST:](#)

[7 Documents / Resources](#)

[7.1 References](#)

[8 Related Posts](#)

TECHNICAL DATA:

Power Sourcing:	220-240V/AC
Power Frequency:	50/60Hz
Ambient Light:	<3-2000LUX (adjustable)
Time Delay:	Min.10sec±3sec Max. 12mintimin
Rated Load:	1200W (Traditional Lighting) 300W (LED Lighting)
Detection Range:	360 ⁰ /180°
Wall: 5-15m (adjustable) Detection Distance:	Ceiling: 1-8m (radius),(adjustable)
Transmission Power	<0.2mW
Installing Height:	Wall: 1.5-3.5m, Ceiling: 2-8m
Power Consumption:	approx 0.9W
Detection Motion Speed:	0.6-1.5m/s
HF System:	5.8GHz CW radar, ISM band

WARNING

1. Please make sure to turn off the power before starting the installation.
2. Must be installed by a professional electrician.



Caution, risk of electric shock.



This marking indicates that this product should not be disposed of with other household wastes.

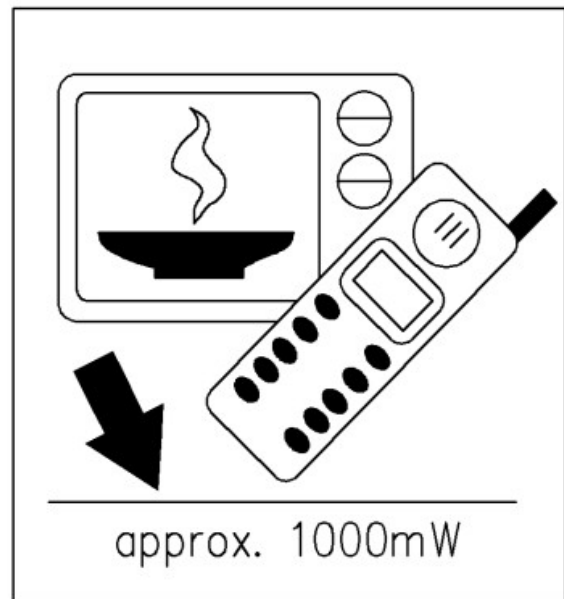
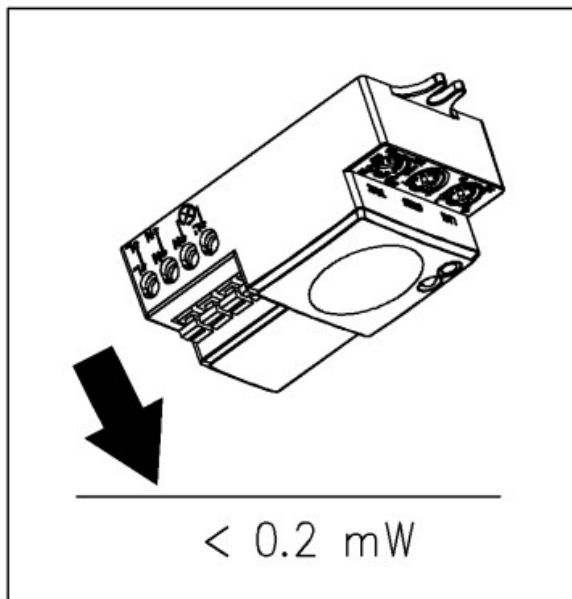
INTRODUCTION & WARRANTY

Thank you for selecting and buying the V-TAC product. V-TAC will serve you the best. Please read these instructions carefully before starting the installing and keep this manual handy for future reference. If you have any other queries, please contact our dealer or local vendor from whom you have purchased the product. They are trained and ready to serve you at your best. The warranty is valid for 2 years from the date of purchase. The warranty does not apply to damage caused by incorrect installation or abnormal wear and tear. The company gives no warranty against damage to any surface due to incorrect removal and installation of the product. This product is warranted for manufacturing defects only. The product is a new saving-energy switch; it adopts a microwave sensor mold with a high-frequency electro-magnetic wave (5.8GHz) and an integrated circuit. It gathers automatism, convenience, safety, saving-energy, and practical functions. The wide detection field depends on detectors. It works by receiving human motion. When one enters the detection field, it can start the load at once and identify automatically day and night. Its installation is very convenient and its using is very wide. Detection is possible to go through doors, panes of glass or thin walls

FUNCTION:

- Can identify day and night: 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.
- Detection range selectable: It can be adjusted according to user location. The detection distance of low sensitivity could be only 2m and high sensitivity could be 16m which fits for a large room.
- Time-Delay is added continually: When it receives the second induction signals within the first induction, it will restart to time from the moment.
- Time-Delay is adjustable. It can be set according to the consumer's desire. The minimum time is $10\text{sec} \pm 3\text{sec}$. The maximum is $12\text{min} \pm 1\text{min}$

NOTE: the high-frequency output of the HF sensor is $<0.2\text{mW}$ - that is just one 5000th of the transmission power of a mobile phone or the output of a microwave oven, the baby can't touch it



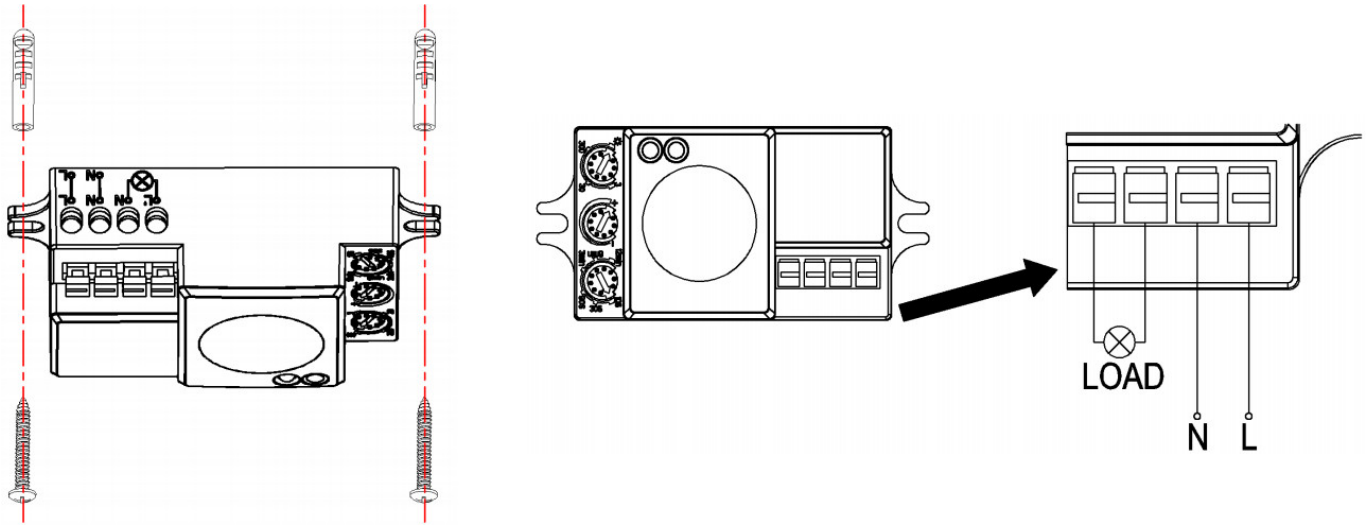
INSTALLATION DIAGRAM:

- Switch off the power.
- Fix the bottom on the selected position with the inflated screw through the screw holes at the side of the

sensor.

- Connecting the power and the load to the sensor as per the connection-wire diagram.
- Switch on the power and test it

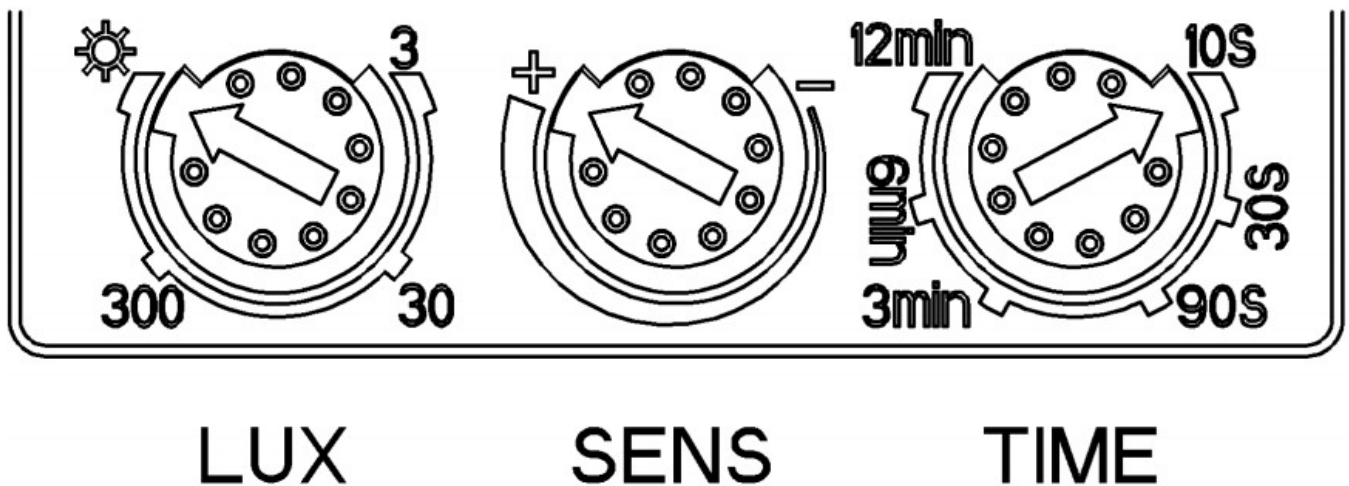
CONNECTION-WIRE DIAGRAM



TEST:

- Turn the LUX knob clockwise on the maximum (sun), Turn the SENS knob clockwise on the maximum (+). Turn the TIME knob anti-clockwise on the minimum (10s).
- When you switch on the power, the light will be on at once. And $10\text{sec} \pm 3\text{sec}$ later the light will be off automatically. Then if the sensor receives an induction signal again, it can work normally.
- When the sensor receives the second induction signals within the first induction, it will restart to time from the moment.
- Turn the LUX knob anti-clockwise on the minimum (3). If the ambient light is less than 3LUX (darkness), the inductor load could work when it receives an induction signal

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



- electrician or experienced humans can install it.
- Can not be installed on the uneven and shaky surface
- In front of the sensor, there shouldn't be obstructive object affecting detection.
- Avoid installing it near the metal and glass which may affect the sensor.
- For your safety, please don't open the case if you find hitch after installation.
- In order to avoid unexpected damage to the product, please add a safety device of current 6A when installing microwave sensors, for example, fuse, safe tube, etc.

IN CASE OF ANY QUERY/ISSUE WITH THE PRODUCT, PLEASE REACH OUT TO US AT:

SUPPORT@V-TAC.EU

FOR MORE PRODUCTS RANGE, INQUIRY PLEASE CONTACT OUR DISTRIBUTOR OR NEAREST DEALERS. V-TAC EUROPE LTD. BULGARIA, PLOVDIV 4000, BUL.L.KARAVELOW 9B

Documents / Resources

	<p>vtech Microwave Sensor(Vt-8018) [pdf] Installation Guide Microwave Sensor Vt-8018</p>
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References

- [TAC.EU](https://www.vtac.eu)

[Manuals+.](#)