



Meaningful Innovation.

WEEE Number: 80133970

# INSTRUCTION MANUAL

## INFRARED MOTION SENSOR

### TECHNICAL DATA

MODEL	VT-81008
SKU	24111
RATED LOAD	[Traditional Lighting] 2000W [LED Lighting] 1000W
INPUT VOLTAGE	220-240V/AC
POWER FREQUENCY	50/60Hz
AMBIENT LIGHT	<3-2000 LUX (Adjustable)
TIME DELAY	Min. 10sec±3sec Max. 15min±2min
DETECTION RANGE	240°
DETECTION DISTANCE	8-14m (<24°C) adjustable
WORKING TEMPERATURE	-20~+40°C
WORKING HUMIDITY	<93%RH
INSTALLATION HEIGHT	1.8 - 2.5m
POWER CONSUMPTION	< 0.5W
DETECTION MOTION SPEED	0.6 - 1.5m/s
DIMENSION	100.3x62x75mm



**05** YEAR  
WARRANTY\*

**IP65**  
RATING

COMPATIBLE WITH  
V-TAC LED  
RANGE [UPTO 1000W]

**IK 08**  
RATING

### INTRODUCTION & WARRANTY

Thank you for selecting and buying 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 another query, please contact our dealer or local vendor from whom you have purchased the product. They are trained and ready to serve you at the best. The warranty is valid for 5 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. The products are suitable for 10-12 Hours Daily operation. Usage of product for 24 Hours a day would void the warranty. This product is warranted for manufacturing defects only.

### WARNING

- Please make sure to turn off the power before starting the installation.
- Installation should only be done by a certified electrician.



FR

Cet appareil,  
ses accessoires  
et cordons  
se recyclent

À DÉPOSER  
EN MAGASIN

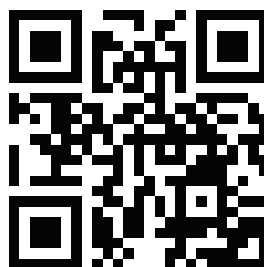


À DÉPOSER  
EN DÉCHÈTERIE



ou

Points de collecte sur [www.quefairedemesdechets.fr](http://www.quefairedemesdechets.fr)  
Privilégiez la réparation ou le don de votre appareil !

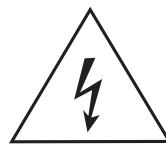


### MULTI-LANGUAGE MANUAL QR CODE

Please scan the QR code  
to access the manual in  
multiple languages.



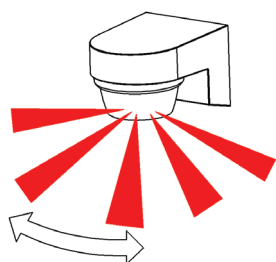
This marking indicates that this product should not be disposed of with other household wastes.



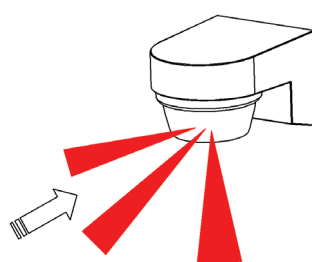
Caution, risk of electric shock.

## 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.
- SENS adjustable: It can be adjusted according to using location. The detection distance of low sensitivity could be only 8m and high sensitivity could be 14m which fits for 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.



Good sensitivity

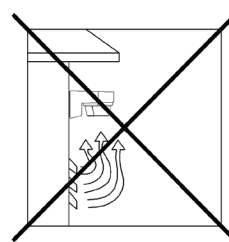
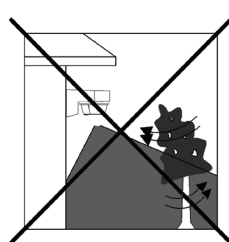
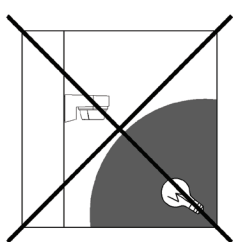
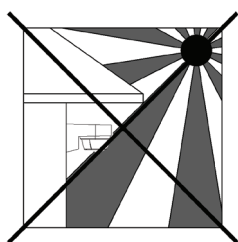


Poor sensitivity

## 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.



## CONNECTION

- Switch off the power.
- Loosen the screw on the bottom and unload the bottom (refer to figure 1&2).
- Open the wire hole in the bottom and pass the wire through the hole.
- Connect the power into the connection-wire column according to the Connection-wire Diagram.
- Fix the bottom with the inflated screws on the selected position (refer to figure 3).
- Install back the sensor on the bottom, tighten the screw. Switch on the power and then you can test it.

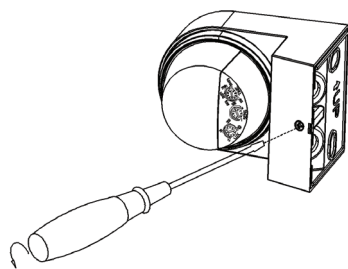


Figure 1

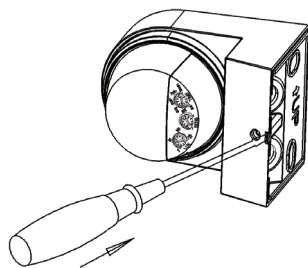


Figure 2

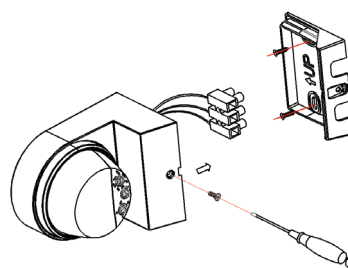
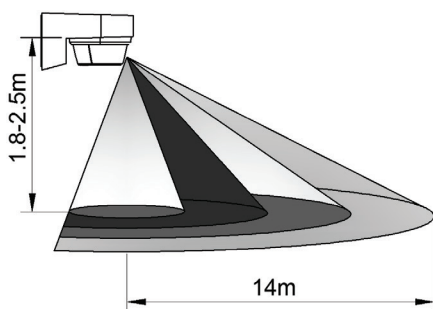
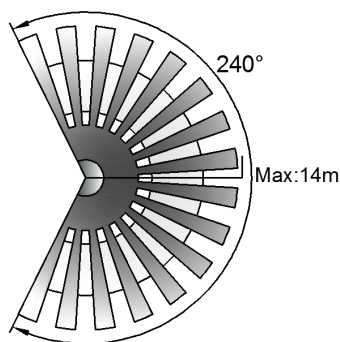


Figure 3

## SENSOR INFORMATION

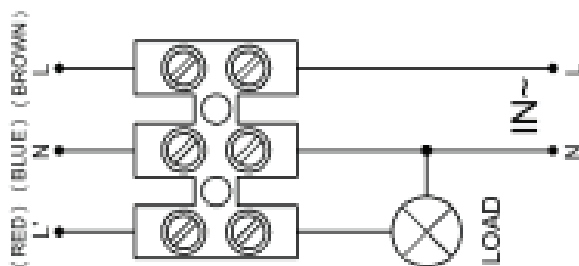


Height of installation: 1.8 - 2.5m



Detection Distance: Max.14m

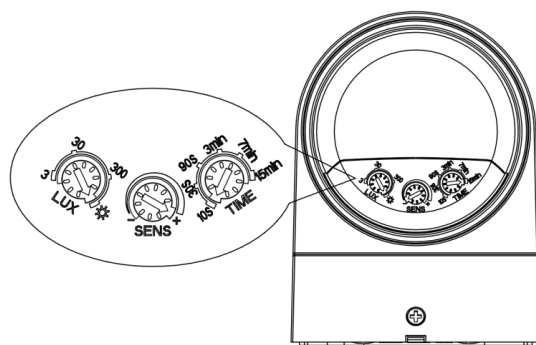
## CONNECTION-WIRE DIAGRAM



## 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).
- 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 $\pm$ 3sec and the lamp would turn off.
- Turn LUX knob anti-clockwise on the minimum (3). If the ambient light is more than 3LUX, the sensor would not work and the lamp stop working too. If the ambient light is less than 3LUX (darkness), the sensor would work. Under no induction signal condition, the sensor should stop working within 10sec $\pm$ 3sec.

**Note:** when testing in daylight, please turn LUX knob to ☀ (sun) position, otherwise the sensor could not work!



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## TROUBLESHOOTING

- **The load does not work**

- a. Please check if the connection of power source and load is correct.
- b. Please check if the load is good.
- c. Please check if the settings of working light correspond to ambient light.

- **The sensitivity is poor**

- a. Please check if any hindrance in front of the detector to affect it to receive the signals.
- b. Please check if the ambient temperature is too high.
- c. Please check if the induction signal source is in the detection field.
- d. Please check if the installation height corresponds to the height required.
- e. Please check if the moving orientation is correct.

- **The sensor can not shut off the load automatically**

- a. Please check if there is continual signal in the detection field.
- b. Please check if the time delay is set to the maximum position.
- c. Please check if the power corresponds to the instruction.



**V-TAC WEST EUROPE LTD.** 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 WEST EUROPE LTD. GROUND FLOOR, 71 LOWER BAGGOT STREET, DUBLIN 02, IRELAND D02 P593

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