





Meaningful Innovation.

WEEE Number: 80133970

# INSTRUCTION MANUAL

REAL PRESENCE SENSOR

## TECHNICAL DATA

|                     |   |
|---------------------|---|
| MODEL               | VT-81014  |
| SKU                 | 23430   |
| HF SYSTEM           | 24Ghz CW Radar, ISM Band  |
| INPUT VOLTAGE       | AC: 110-240V, 50/60 Hz  |
| RATED LOAD          | Max. 2000W (220-240V/AC) <br>1000W (110-130V/AC)<br>1000W (220-240V/AC)<br>500W (110-130V/AC)  +LED |
| TIME DELAY          | Min. 10sec ±3sec<br>Max. 12min ±1min  |
| DETECTION RANGE     | 360°  |
| DETECTION DISTANCE  | 3m (radius)   |
| WORKING TEMPERATURE | -20°C to +40°C  |
| AMBIENT LIGHT       | <3-2000 LUX (Adjustable)  |



COMPATIBLE WITH  
V-TAC LED  
RANGE (UPTO 1000W)

**05** YEAR  
WARRANTY\*

|                     |           |
|---------------------|-----------|
| INSTALLATION HEIGHT | 2-4m      |
| IP RATING           | IP20      |
| DIMENSION           | ØXXxXX mm |

## INTRODUCTION & WARRANTY

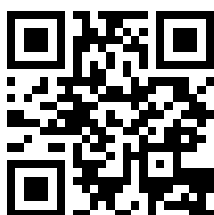
Thank you for selecting and buying V-TAC product. V-TAC will serve you the best. Please read these instructions carefully before starting the installation and keep this manual handy for future reference. If you have any another query, please contact our dealer or local vendor from whom you have purchased 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.



Caution, risk of electric shock.



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



### MULTI-LANGUAGE MANUAL QR CODE

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



FR

Cet appareil, ses accessoires et cordons se recyclent

À DÉPOSER EN MAGASIN

À DÉPOSER EN DÉCHÈTERIE



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

In case of any query/issue with the product, please reach out to us at: [support@v-tac.eu](mailto: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

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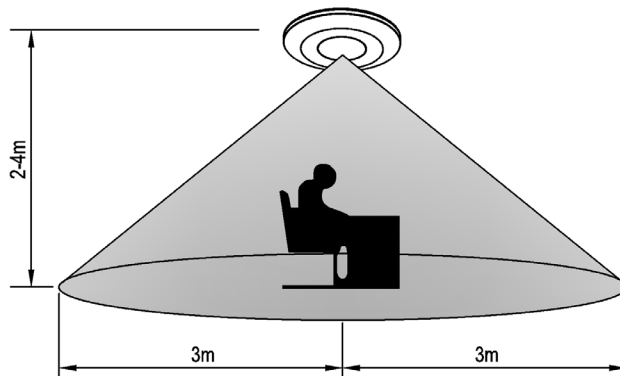
## WARNING

1. Please make sure to turn off the power before starting the installation.
2. Installation must be performed by a qualified electrician.
3. For indoor use only.

## FUNCTION

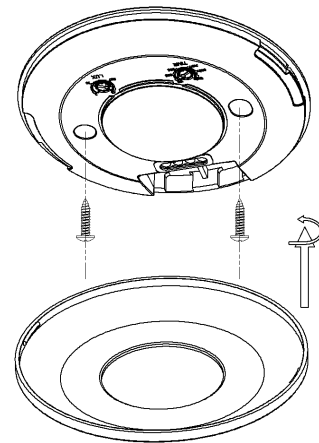
1. Can identify day and night: It can work in the daytime and at night when it is adjusted on the “sun” position (max). It can work in the ambient light less than 3LUX when it is adjusted on the “3” position (min). As for the adjustment pattern, please refer to the testing pattern.
2. When the detection distance is less than 3M, it detects human breathing and keeps lamp on continuously.
3. on continuously.
4. When the detection distance is 3-4.5M, it will be worked as a normal microwave sensor and detects human movement automatically.
5. Time-Delay is added continually: When it receives the second induction signals within the first induction, it will restart to time from the moment.
6. Time—Delay is adjustable. It can be set according to the consumer’s desire. The minimum time is 10sec±3sec. The maximum is 12min±1min.

## SENSOR INFORMATION

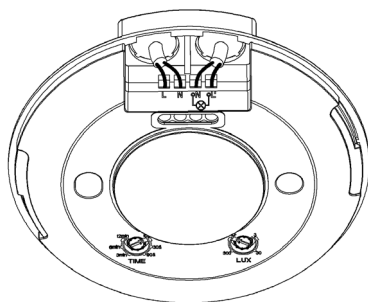


## INSTALLATION

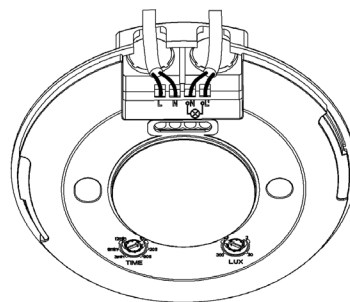
- Please move the upper cover with anti-clockwise whirl as per the diagram on the right.
- Connect the power and the load according to the connection-wire diagram.
- Fix the bottom on the selected position with the inflated screw.
- Install back the upper cover on the sensor, then you could switch on the power and test it.



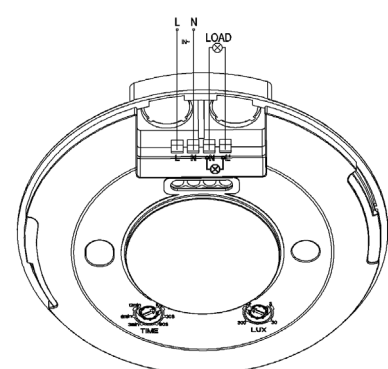
## WIRING DIAGRAM



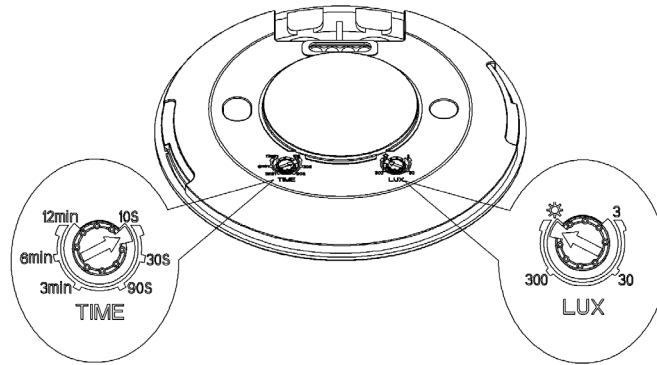
The wires come in and out from the bottom



The wires come in and out from the side



## TEST



1. Turn the TIME knob anti-clockwise on the minimum (10s). Turn the LUX knob clockwise on the maximum (sun).
2. 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 induction signal again, it can work normally.
3. When the detection distance is less than 3M, it can detect human breathing and keep the lamp on continuously. When the detection distance is more than 3m and then the lamp will be off after the set time if there is no other movement.
4. When the detection distance is 3-4.5M, it will be worked as a normal microwave sensor and detects human movement automatically.
5. When the sensor receives the second induction signals within the first induction, it will restart to time from the moment.
6. Turn 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 induction signal.

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

## NOTES

- Electrician or experienced human 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.

## TROUBLESHOOTING

- **The load don't work**
  - a. Check the power and the load.
  - b. Whether the indicator light is turned on after sensing? If yes, please check load.
  - c. If the indicator light does not turn on after sensing, please check if the working light corresponds to the ambient light.
  - d. Please check if the working voltage corresponds to the power source.
- **The sensitivity is poor**
  - a. Please check the ambient temperature.
  - b. Please check if the signals source is in the detection fields.
  - c. Please check the installation height.
- **The sensor can't shut automatically the load**
  - a. If there are continual signals in the detection fields.
  - b. If the time delay is set to the longest.
  - c. If the power corresponds to the instruction.

RoHS



UK  
CA

