



Meaningful Innovation.

INSTRUCTION MANUAL

MICROWAVE SENSOR DOME LIGHT

TECHNICAL DATA

MODEL	VT-8179
SKU	24360
DETECTION RANGE	360°
INPUT VOLTAGE	220-240V/AC,50/60Hz
POWER	20W, 25W, 30W, 35W, 40W (Adjustable)
TIME DELAY	Min. 10sec±3sec Max. 12min±1min
AMBIENT LIGHT	<3-2000LUX (Adjustable)
DETECTION DISTANCE	Wall : 1-5m (Adjustable) Ceiling : 1-4m (Diameter), adjustable
DETECTION SPEED	0.6-1.5m/s
INSTALLATION HEIGHT	Wall : 1.5 - 3.5m Ceiling : 2 - 4m
HF SYSTEM	24GHz CW radar, ISM band
STAND-BY DIMMING LEVEL	7%
COLOR TEMPERATURE	2700K, 3000K, 4000K, 5000K, 6500K (Adjustable)
TRANSMISSION POWER	8mW
STAND-BY PERIOD	0s, 90s, 5min, 10min, 30min, +∞(adjustable).
DIMENSION	Ø360x51mm



IP65
RATING

IK10
RATING



6 YEAR
WARRANTY*

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 6 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.



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



Caution, risk of electric shock.



FR

Cet appareil, ses accessoires et cordons se recyclent

À DÉPOSER EN MAGASIN



ou

À DÉPOSER EN DÉCHÈTERIE



Points de collecte sur 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.

WARNING

- Please make sure to turn off the power before starting the installation.
- Installation should only be done by a certified electrician.
- Do not install the unit on uneven or unstable surfaces.
- Ensure there are no obstructions in front of the sensor that could interfere with detection.
- Avoid installation near metal or glass surfaces, as they may affect sensor performance.
- For safety reasons, do not open the casing if any malfunction is detected after installation.

FUNCTION

- Can identify day and night: It can work in the daytime and at night when it is adjusted to the “sun” position (max). It can work in the ambient light less than 3LUX when it is adjusted to 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 2m and high sensitivity could be 8m 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.
- Time-Delay is adjustable. It can be set according to the consumer’s desire. The minimum time is 10sec. The maximum is 12min.
- It offers 3 levels of light: 100 %--> dimmed light (7% optional) -->off; and 2 periods of selectable waiting time, motion hold time and stand-by period; selectable LUX value and choice of detection area.
- The switch: 20W /25W /30W /35W /40W (Wattage adjustable), 2700K /3000K /4000K /5000K /6500K (5CCT adjustable).



Fig 1

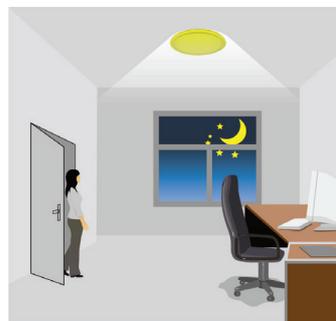


Fig 2

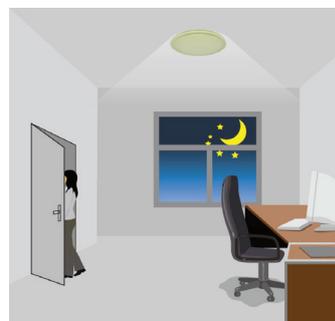


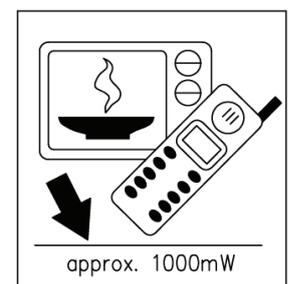
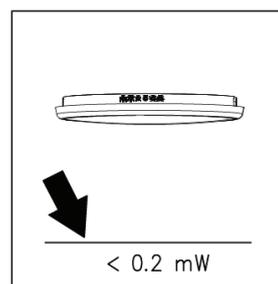
Fig 3



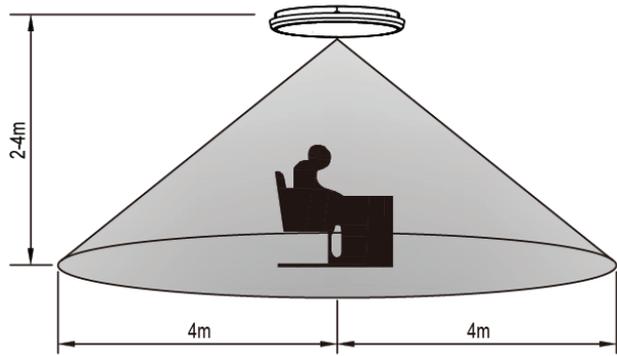
Fig 4

1. With ambient light more than daylight threshold, the lamp does not switch on when someone enters the room.
2. With ambient light less than daylight threshold, the lamp will be on 100% when someone enters the room.
3. People left, light dims to 7% (optional) stand-by level after hold time.
4. Light switches off automatically after the stand-by period elapsed.

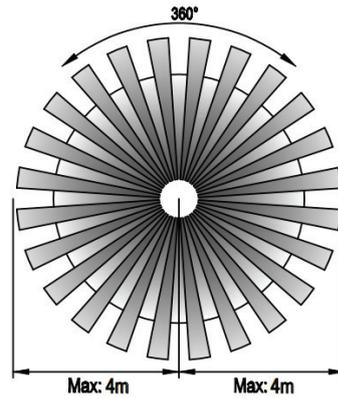
NOTE: the high-frequency output of the HF sensor is 8mW- that is just one 125th of the transmission power of a mobile phone or the output of a microwave oven.



SENSOR INFORMATION



Height of installation: 2-4m



Detection Area: Max. 8m

INSTALLATION INSTRUCTIONS

1. Switch off the power supply before starting the installation.
2. Unscrew the terminal block cover at the bottom of the lamp and connect the wires according to the wiring diagram.
3. Press the two side knobs to release the metal bracket (see Figure 1). Fix the metal bracket to the ceiling using the supplied expansion screws (see Figure 2). Then press the lamp back onto the metal bracket until it is securely fixed.
4. Switch on the power and test the lamp.

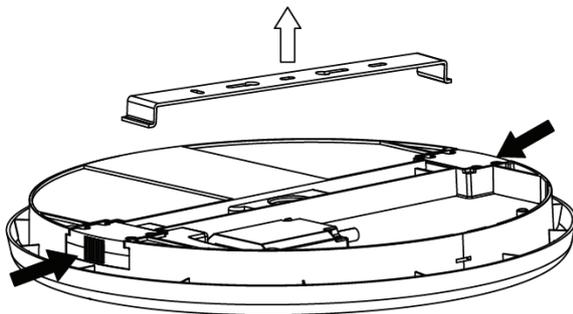


Figure 1

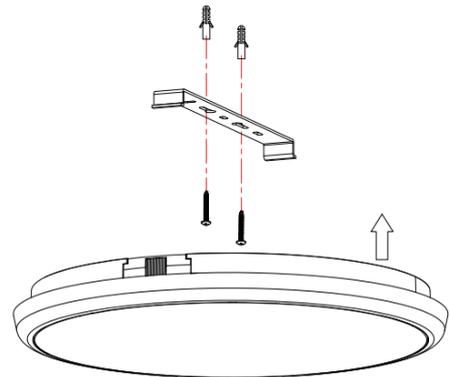
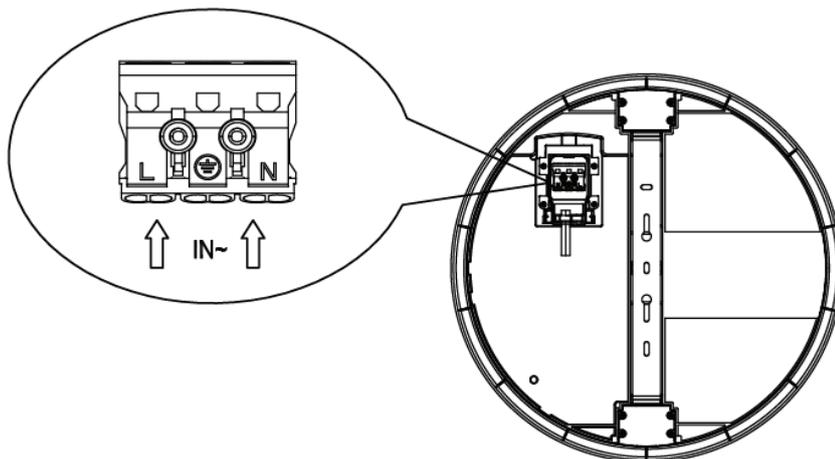


Figure 2

WIRING CONNECTION

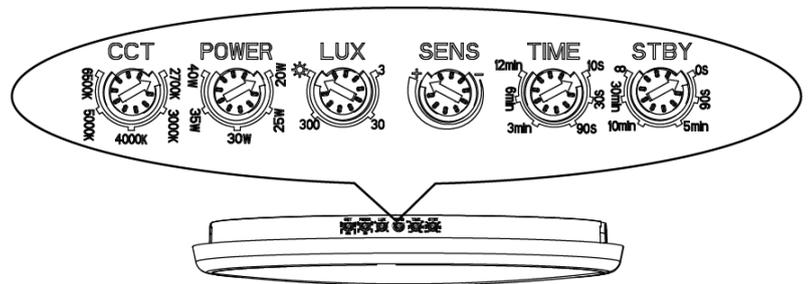


TEST

- You can turn the switch to adjust the wattage to 20W, 25W, 30W, 35W or 40W and the color temperature to 2700K, 3000K, 4000K, 5000K, 6500K.
- 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). Turn the STBY knob anti-clockwise on the minimum (0S).
- When you switch on the power, the lamp will be on at once. And 10sec±3sec later the lamp will be off automatically. Then if the sensor receives 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 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.
- Adjust the stand-by period to “90s”, when the sensor receives induction signal, the lamp will be 100% on; 10sec later, the lamp dims quickly to 7% on for 90sec and then turn off. If the sensor receives second induction signal within the stand-by period, the lamp will be 100% on.

Note

- “+∞” indicates that the fixture remains at the standby dimming level and does not switch off.
- “0s” indicates that the dimming function is disabled.
- When testing in daylight, ensure the LUX knob is set to the SUN position; otherwise, the sensor light will not operate.



TROUBLESHOOTING

- **The load doesn't work:**
 - a. Check the power wiring.
 - b. Please check if the illuminance setting threshold corresponds to the ambient light.
 - c. Please check if the working voltage corresponds to the power source.
- **The sensitivity is poor**
 - a. Please check if in front of the sensor there shouldn't be obstructive object that affect to receive the signals.
 - b. Please check if the signal 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.



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SUPPORT@V-TAC.EU FOR MORE PRODUCTS RANGE, INQUIRY PLEASE CONTACT OUR DISTRIBUTOR OR NEAREST DEALERS.
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