Meaningful Innovation.

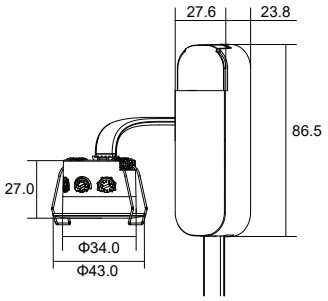
INSTRUCTION MANUAL

MINI MICROWAVE MOTION SENSOR



TECHNICAL DATA

MODEL	VT-80033
SKU	24491
RATED LOAD	Max. 2000W [Traditional Lighting] 1000W [LED Lighting]
INPUT VOLTAGE	AC: 220-240V, 50/60Hz
HF SYSTEM	5.8GHz CW radar, ISM Band
AMBIENT LIGHT	<3-2000LUX (adjustable)
TIME DELAY	Min. 10sec±3sec Max. 12min±1min
DETECTION RANGE	360°
DETECTION DISTANCE	2 - 8m (radius), adjustable
WORKING TEMPERATURE	-20~+40°C
WORKING HUMIDITY	<93%RH
INSTALLATION HEIGHT	2 - 4m (Most suitable height: 3m)
POWER CONSUMPTION	>0.5W
DETECTION MOTION SPEED	0.6 - 1.5m/s



05 YEAR WARRANTY*

IP44 RATING

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

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. 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.

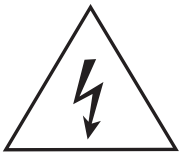
WARNING

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

MULTI-LANGUAGE MANUAL QR CODE

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





Caution, risk of electric shock.

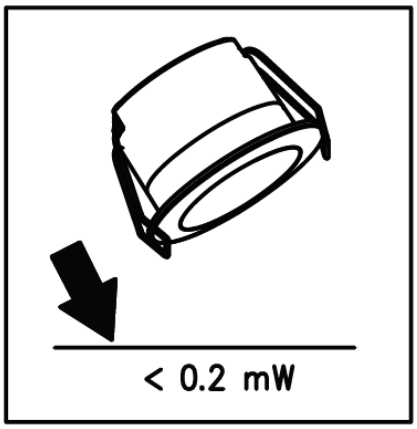


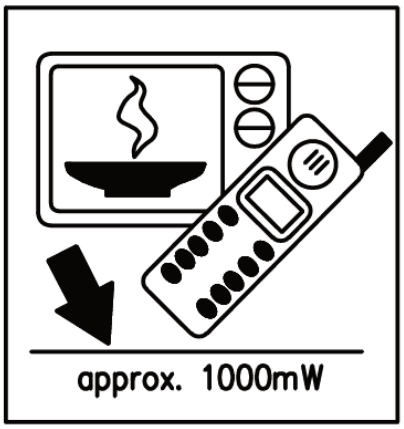
This marking indicates that this product should not be disposed of with other household wastes.

FUNCTION

- **Day/Night Detection:** The sensor can operate both during the day and at night. When the LUX control is set to the Sun (MAX) position, the sensor operates regardless of ambient light levels. When set to 3 LUX (MIN), the sensor operates only when the ambient light level is below 3 lux. Refer to the testing instructions for details on adjustment and setup.
- **Adjustable Sensitivity (SENS):** The detection sensitivity can be adjusted to suit different installation environments. The detection range can be set from approximately 4 m at the lowest sensitivity to 16 m at the highest sensitivity, making it suitable for both small and large spaces.
- **Automatic Time-Delay Reset:** If the sensor detects additional motion during the active delay period, the timer is automatically reset and begins counting again from the moment the new motion is detected.
- Adjustable Time Delay: The switch-off delay can be adjusted to meet user requirements. The delay time is adjustable from a minimum of 10 seconds ± 3 seconds to a maximum of 12 minutes ± 1 minute.

Note: The high-frequency (HF) sensor emits less than **0.2 mW** of power, which is approximately **/5,000th of the transmission power of a typical mobile phone** and significantly lower than the output of a microwave oven. The emitted energy is extremely low, making it safe for use in environments where infants may be present, even if the baby comes into contact with the device.



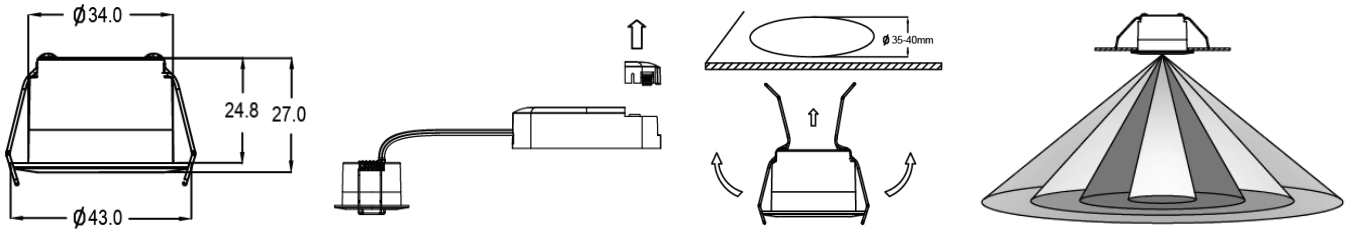


INSTALLATION INSTRUCTIONS

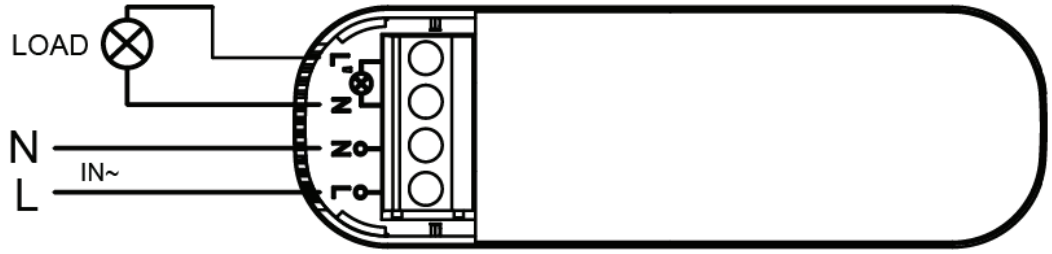
1. Switch off the power supply before installation.
2. Remove the sensor cover.
3. Connect the power supply wires to the sensor terminal block in accordance with the wiring diagram.
4. Refit the cover securely in its original position.
5. Compress the sensor's metal retaining springs upward and insert the sensor into the designated mounting hole or junction box.
6. Release the retaining springs to secure the sensor firmly in place.
7. After installation is complete, restore the power supply and verify correct operation by performing a functional test.

Mounting Requirements

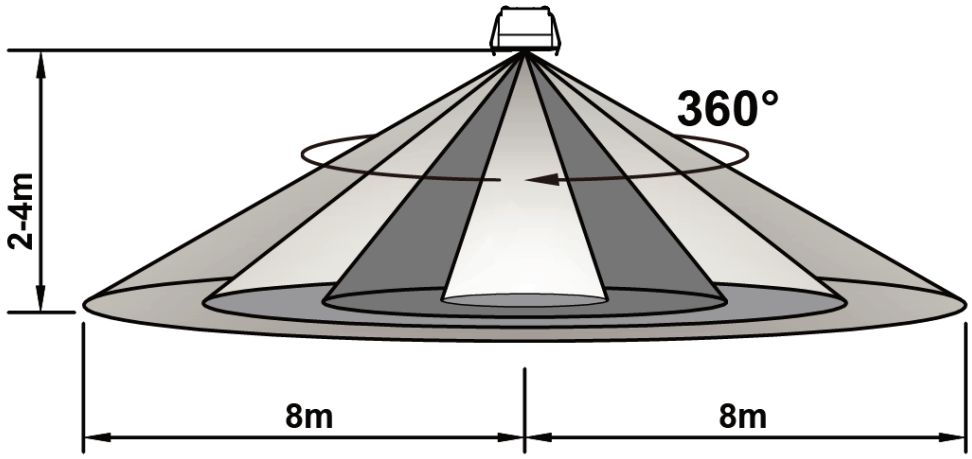
- Recommended mounting hole diameter: Ø35—40 mm
- Ensure the sensor is installed securely and flush with the mounting surface.



CONNECTION-WIRE DIAGRAM

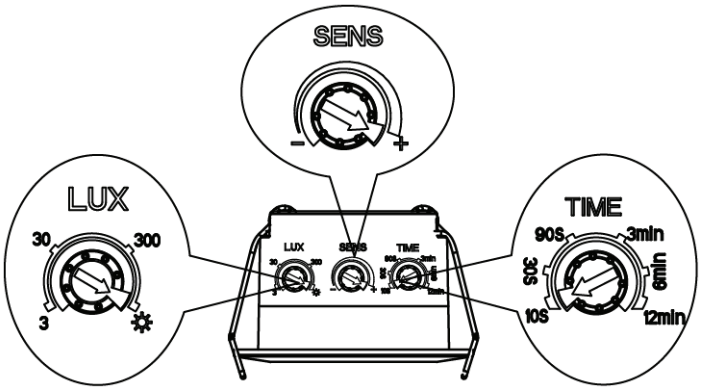


SENSOR INFORMATION



Height of installation: 2 - 4m

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 10sec±3sec later the light 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.

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

TROUBLESHOOTING

- **The load doesn't work**
  a. Verify that the power supply and connected load are functioning correctly.
  b. Check whether the indicator light turns on after motion is detected. If the indicator light is on, inspect the connected load for any issues.
  c. If the indicator light does not turn on after motion is detected, verify that the sensor's operating mode and ambient light conditions are configured correctly.
  d. Confirm that the supply voltage matches the sensor's specified operating voltage requirements.
- **The sensitivity is poor**
  a. Verify that the ambient temperature is within the specified operating range.
  b. Ensure that the signal source is located within the sensor's detection range.
  c. Confirm that the installation height complies with the recommended specifications.
- **The sensor can't shut automatically the load**
  a. Check whether there are continuous signal sources within the detection area that may be repeatedly triggering the sensor.
  b. Verify whether the time delay setting is configured to the maximum duration.
  c. Confirm that the connected load and power rating comply with the specifications provided in the instruction manual.
  c. If the power corresponds to the instruction.

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