Meaningful Innovation.

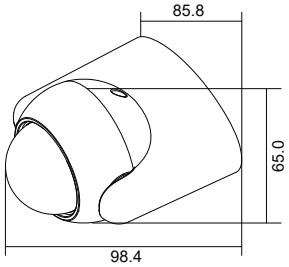
INSTRUCTION MANUAL

INFRARED MOTION SENSOR

TECHNICAL DATA

MODEL	VT-80031
SKU	24489
RATED LOAD	Max. 1200W [Traditional Lighting] 600W [LED Lighting]
INPUT VOLTAGE	AC: 220-240V, 50/60Hz
AMBIENT LIGHT	<3-2000LUX (adjustable)
TIME DELAY	Min. 10sec±3sec Max. 15min±2min
DETECTION RANGE	140°/360°
DETECTION DISTANCE	12m max (<24° C)
WORKING TEMPERATURE	-20~+40°C
WORKING HUMIDITY	<93%RH
INSTALLATION HEIGHT	Wall : 1.8 - 2.5m Ceiling : 2.2 - 4m
POWER CONSUMPTION	>0.5W
DETECTION MOTION SPEED	0.6 - 1.5m/s
DIMENSION	98.4x85.8x65mm





05 YEAR WARRANTY*

IP65 RATING

COMPATIBLE WITH
V-TAC LED
RANGE [UPTO 600W]

INTRODUCTION & WARRANTY

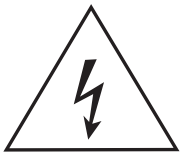
Thank you for selecting and buying V-TAC product. V-TAC will serve you the best. Please read these instructions carefully before starting the installation and keep this manual handy for future reference. If you have any another query, please contact our dealer or local vendor from whom you have purchased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



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



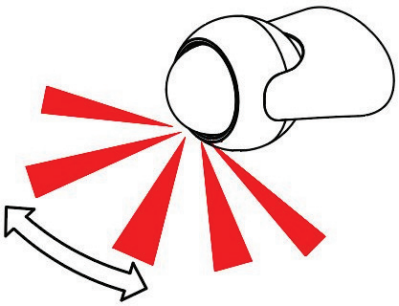
Caution, risk of electric shock.

MULTI-LANGUAGE MANUAL QR CODE

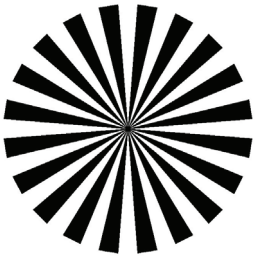
Please scan the QR code to access the manual in multiple languages.

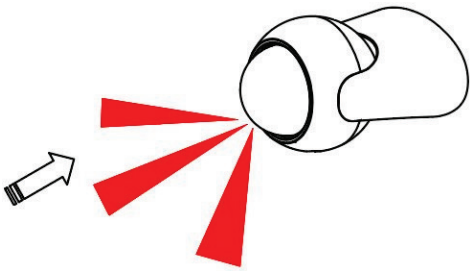
FUNCTION

- **Day/Night Detection:** The sensor can distinguish between day and night operating conditions and can be configured to function under different ambient light levels. When the light-control setting is adjusted to the “Sun” position (maximum), the device operates continuously during both daytime and nighttime. When adjusted to the “3” position (minimum), the device operates only when the ambient light level is below 3 lux. For detailed adjustment procedures, please refer to the test setup and adjustment instructions.
- **Continuous Time-Delay Reset:** The device features a continuous time-delay function. If a second motion detection signal is received during the active timing period initiated by the first detection, the delay timer will automatically reset and begin counting again from the moment the latest signal is detected.



Good sensitivity



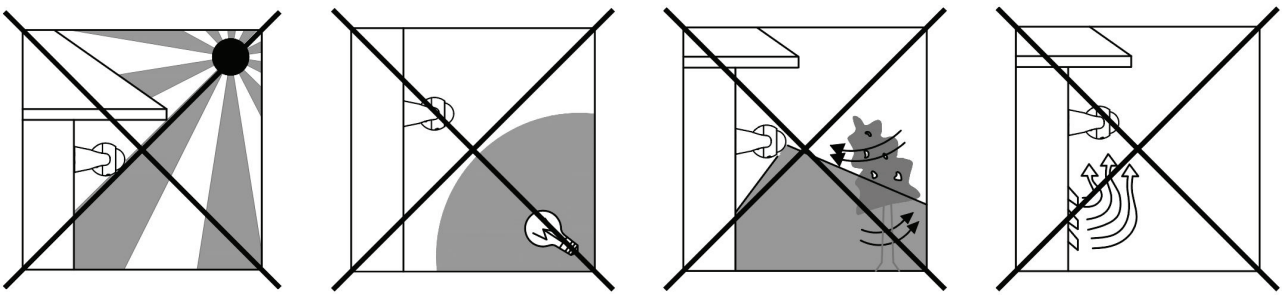


Poor sensitivity

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.



INSTALLATION INSTRUCTIONS

1. Turn off the power supply before starting the installation.
2. Loosen the screw at the bottom of the sensor and remove the mounting base (see Figures 1 and 2).
3. Open the cable entry on the mounting base and route the wire through the opening.
4. Connect the power supply wires to the terminal block according to the Wiring Diagram.
5. Secure the mounting base at the desired location using the supplied expansion screws (see Figure 3).
6. Reinstall the sensor onto the mounting base and tighten the retaining screw.
7. Switch on the power supply and verify proper operation of the sensor.

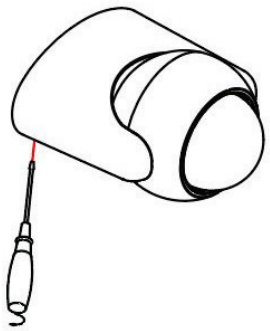


Figure 1

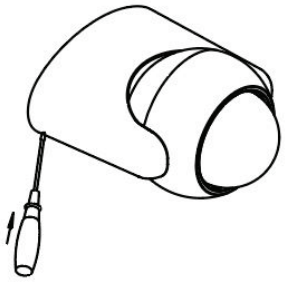


Figure 2

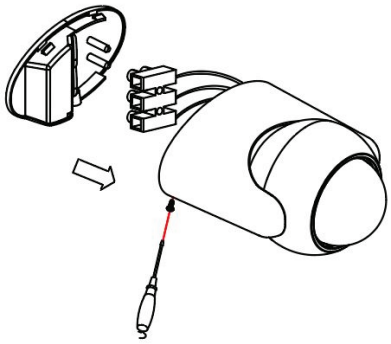
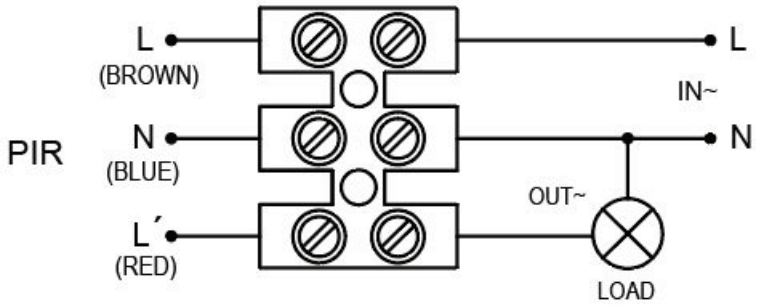
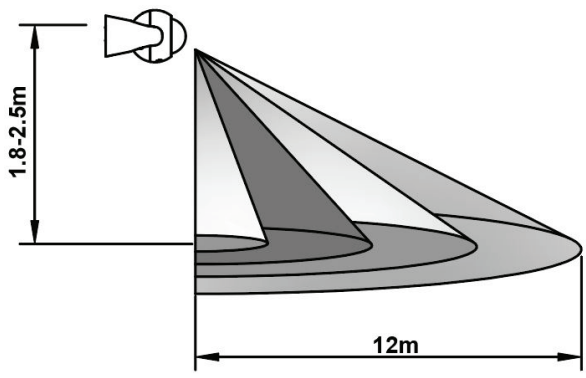


Figure 3

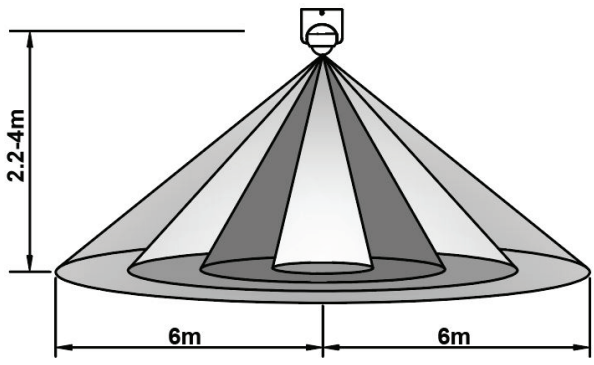
CONNECTION-WIRE DIAGRAM



SENSOR INFORMATION



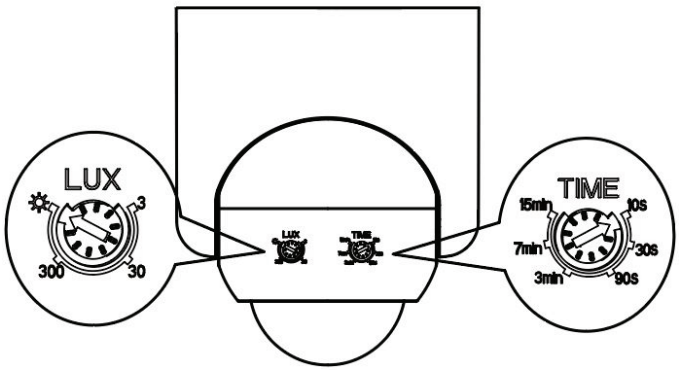
Height of installation [Wall] : 1.8 - 2.5m



Height of installation [Ceiling] : 2.2 - 4m

TEST

- Turn the LUX knob clockwise on the maximum (sun). 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±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±3sec.

Note: when testing in daylight, please turn LUX knob to ☀ (SUN) position, otherwise the sensor lamp could not work! If the lamp is more than 60W, the distance between lamp and sensor should be 60cm at least.

TROUBLESHOOTING

- **The load does not work**
  - Check whether the power supply and load connections are correct.
  - Check whether the load is functioning properly.
  - Check whether the light level setting corresponds to the ambient lighting conditions.
- **Poor sensitivity**
  - Check whether any obstruction is present in front of the detector that may interfere with signal reception.
  - Check whether the ambient temperature is excessively high.
  - Check whether the motion source is within the detection range.
  - Check whether the installation height complies with the specified installation requirements.
  - Check whether the direction of movement is appropriate for detection.
- **The sensor does not switch off the load automatically**
  - Check whether there is a continuous signal within the detection area.
  - Check whether the time-delay setting is adjusted to the maximum value.
  - Check whether the power supply meets the specified requirements.



RoHS CE UKCA 22 PAP

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