Meaningful Innovation.

INSTRUCTION MANUAL

INFRARED MOTION SENSOR

TECHNICAL DATA

MODEL	VT-80032
SKU	24490
RATED LOAD	Max. 2000W [Traditional Lighting] 1000W [LED Lighting]
INPUT VOLTAGE	AC: 220-240V, 50/60Hz
AMBIENT LIGHT	<3-2000LUX (adjustable)
TIME DELAY	Min. 10sec±3sec Max. 15min±2min
DETECTION RANGE	360°
DETECTION DISTANCE	40m max (<24° C)
WORKING TEMPERATURE	-20~+40°C
WORKING HUMIDITY	<93%RH
INSTALLATION HEIGHT	2.2 - 4m
POWER CONSUMPTION	Approx 0.5W
DETECTION MOTION SPEED	0.6 - 1.5m/s
IP RATING	IP20
DIMENSION	Ø115x72.9mm



05 YEAR WARRANTY*

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

INTRODUCTION & WARRANTY

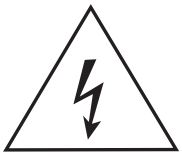
Thank you for selecting and buying V-TAC product. V-TAC will serve you the best. Please read these instructions carefully before starting the installation and keep this manual handy for future reference. If you have any another query, please contact our dealer or local vendor from whom you have purchased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



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



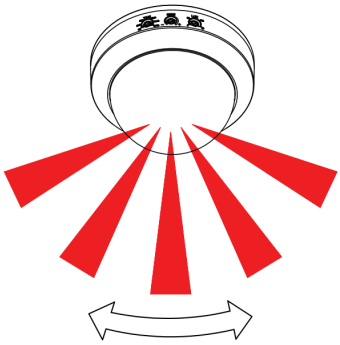
Caution, risk of electric shock.

MULTI-LANGUAGE MANUAL QR CODE

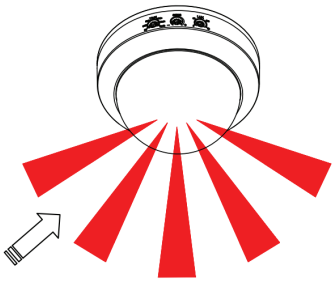
Please scan the QR code to access the manual in multiple languages.

FUNCTION

- **Day/Night Detection:** The sensor can automatically adapt to different ambient lighting conditions. When set to the “Sun” (Maximum) position, it operates in both daytime and nighttime environments. When adjusted to the “3” (Minimum) position, it activates only under low-light conditions below 3 lux. For detailed adjustment settings, please refer to the testing pattern.
- **Adjustable Sensitivity (SENS):** The detection sensitivity can be configured to suit the installation environment. At the lowest sensitivity setting, the detection range is approximately 5 meters (radius), while at the highest sensitivity setting, it extends up to 20 meters (radius), making it suitable for both small and large spaces.
- **Continuous Time-Delay Function:** The time-delay period is automatically extended upon detection of subsequent motion. If a second motion signal is received during the initial delay period, the timer resets and starts counting again from the latest detection event.



Good sensitivity

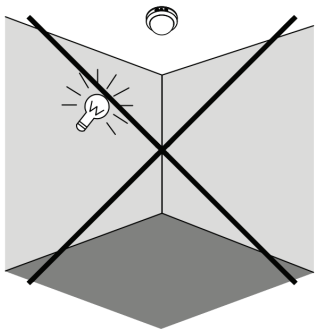


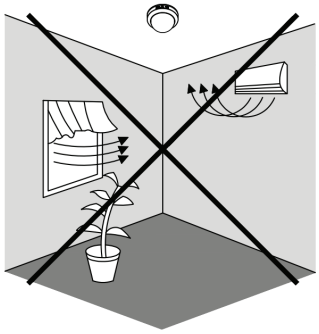
Poor sensitivity

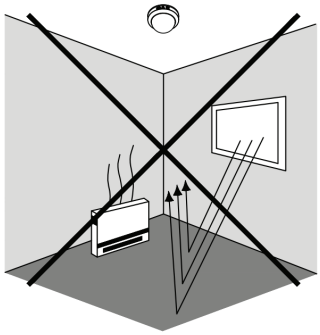
INSTALLATION ADVICE

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.

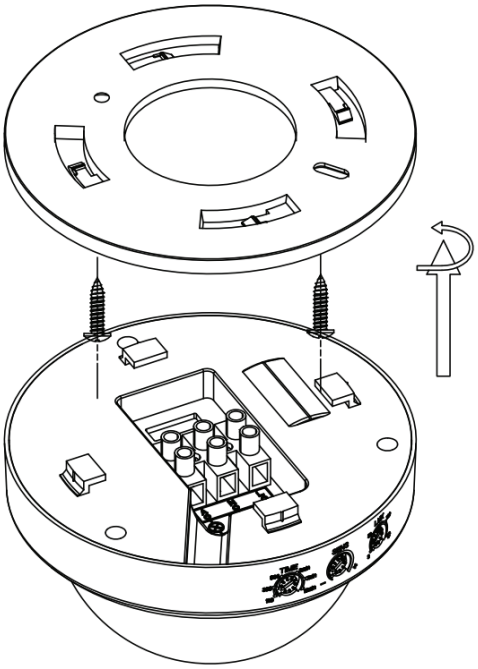




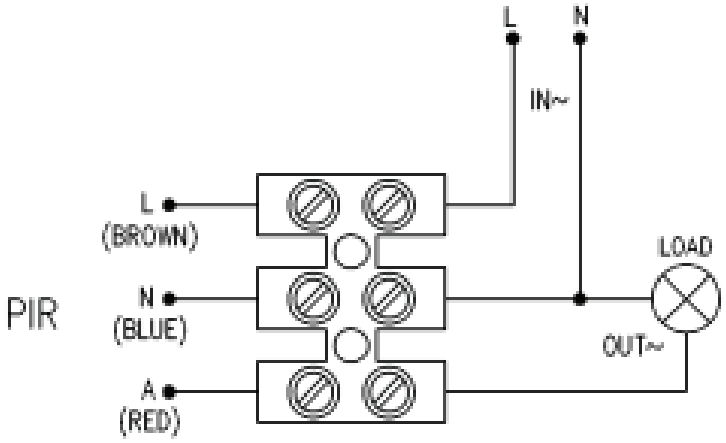


INSTALLATION INSTRUCTIONS

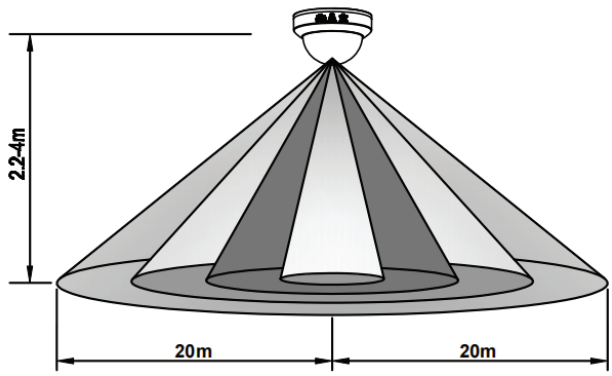
1. Turn off the power supply before starting the installation.
2. Rotate the bottom cover counterclockwise and remove it.
3. Route the power cable through the opening in the center of the bottom stand. Connect the power cable to the terminal block according to the wiring diagram provided.
4. Secure the bottom stand at the desired installation location using expansion anchors (or anchor bolts).
5. Align the sensor with the opening of the bottom stand and rotate it clockwise until it is firmly secured.
6. Once the installation is complete, switch on the power supply and perform a functional test to ensure proper operation.



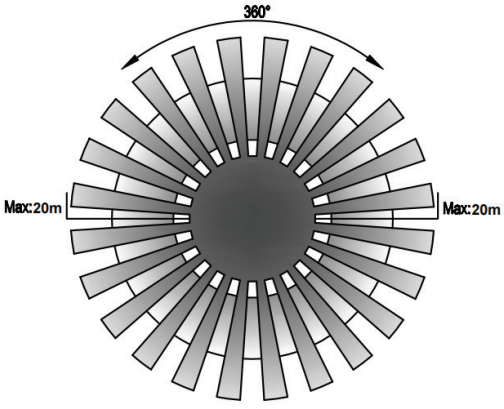
CONNECTION-WIRE DIAGRAM



SENSOR INFORMATION

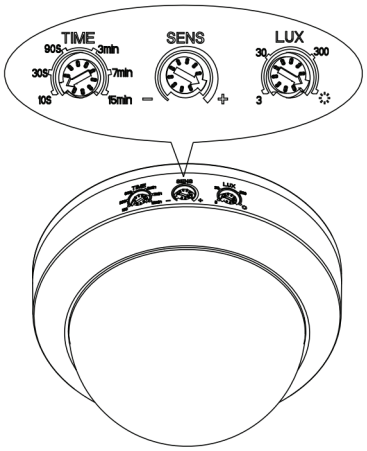


Height of installation: 2 - 4m



Detection Distance: Max.40m

TEST



- Turn the TIME knob anti-clockwise on the minimum (10s). Turn the SENS knob anti-clockwise on the maximum (+). Turn the LUX knob anti-clockwise on the maximum (sun).
- 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 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**
  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 there is 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 in the instruction.
  e. Please check if the moving orientation is correct.
- **The sensor cannot 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 DO2 P593

V-TAC UK LTD. IN CASE OF ANY QUERY/ISSUE WITH THE PRODUCT PLEASE REACH OUT TO US AT
SUPPORT@VTACEXPORTS.COM V-TAC, 5A TUNGSTEN PARK, DOWNS ROAD, WITNEY, OXFORDSHIRE, OX29 0AX