Meaningful Innovation.

INSTRUCTION MANUAL

INFRERED MOTION SENSOR

TECHNICAL DATA

MODEL		VT-8154
SKU		24356
RATED LOAD	[Traditional Lighting]	2000W
	[LED Lighting]	1000W
INPUT VOLTAGE		220-240V/AC
POWER FREQUENCY		50/60Hz
AMBIENT LIGHT		<3-2000 LUX (Adjustable)
TIME DELAY		Min. 10sec±3sec Max. 15min±2min
DETECTION RANGE		180°/360°
DETECTION DISTANCE		15m 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		Approx 0.5W
DETECTION MOTION SPEED		0.6 - 1.5m/s
DIMENSION		116x72x75mm



05 YEAR WARRANTY*

IP65 RATING

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

IK 08 RATING

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 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.

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.

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

Caution, risk of electric shock.

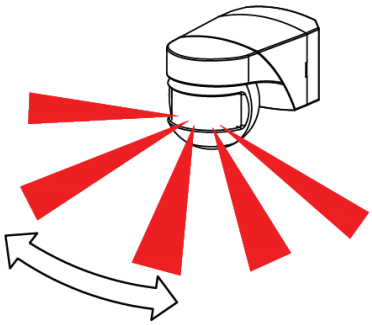
FUNCTION

Day/Night Detection

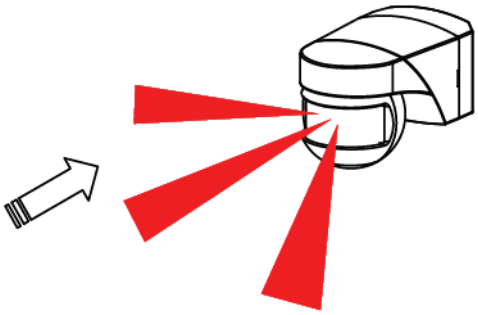
The sensor can distinguish between day and night, allowing the user to adjust its operating mode according to ambient light conditions. When set to the “Sun” (maximum) position, the device operates both during daytime and nighttime. When set to the “3” (minimum) position, it activates only when the ambient light level is below 3 lux. For detailed adjustment guidance, please refer to the testing pattern.

Time Delay Function

The time delay is cumulative. If a second detection signal is received while the initial delay period is still active, the timing cycle will restart from the moment the new signal is detected.



Good sensitivity

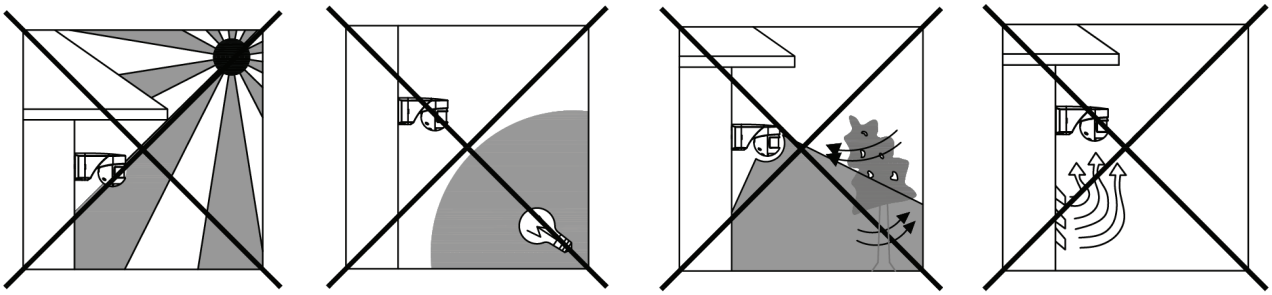


Poor sensitivity

INSTALLATION ADVICE

As the detector responds to temperature changes, please avoid the following conditions:

- Do not aim the detector at objects with highly reflective surfaces, such as mirrors.
- Do not install the detector near heat sources, including heating vents, air-conditioning units, or lighting fixtures.
- Do not direct the detector toward objects that may move due to airflow, such as curtains or tall plants.



WALL AND CORNER INSTALLATION

- Loosen the rear screw and remove the base (refer to Figure 1).
- Locate the cable entry with gasket on the underside of the sensor. Feed the power cable through the opening and connect it to the terminal block according to the wiring diagram.
- Secure the base to the selected mounting position using expansion screws (refer to Figure 2).
- Reattach the sensor to the base, tighten the screw, and perform a functional test.

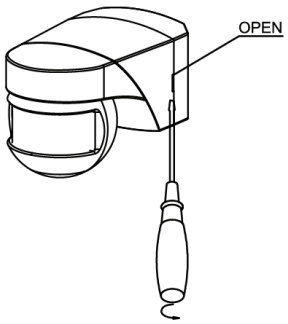


Figure1

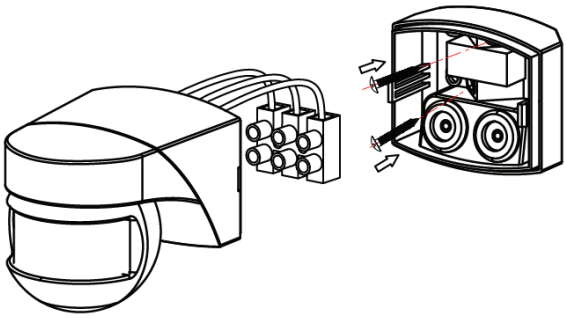
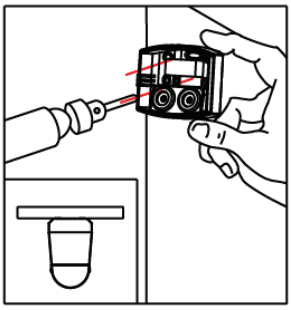
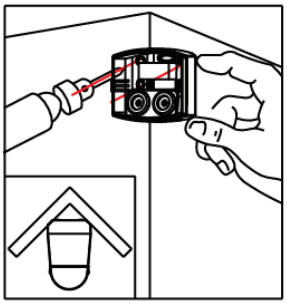


Figure 2

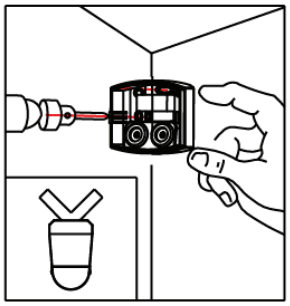
- The detector can be mounted directly on a wall. In addition, with the use of the supplied mounting accessory, it can also be installed in either an inner corner or an outer corner (refer to the photograph below).



Flat mounted



Inner corner mounted



Outer corner mounted

CEILING INSTALLATION

- Remove the mounting accessory, fold back the cover, loosen the screw on the base, and detach the base (refer to Figure 1).
- Locate the cable entry at the bottom, pass the power wire through the hole, and connect it to the terminal block following the Connection-Wire Diagram.
- Secure the base to the chosen mounting position using expansion screws (refer to Figure 2).
- Reattach the sensor to the base, tighten the screw, and perform a functional test.

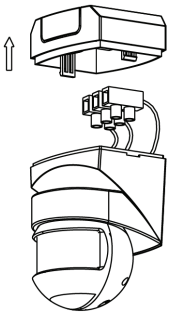


Figure 1

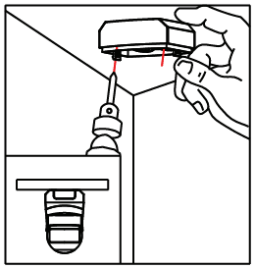
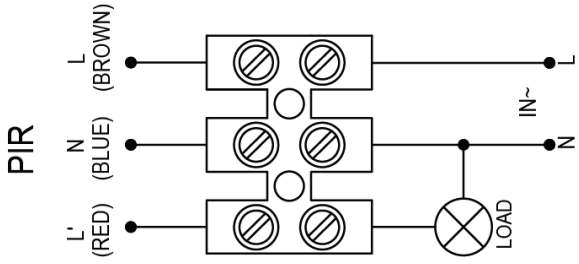


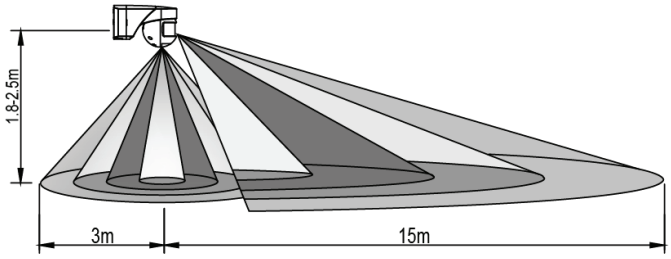
Figure 2

CONNECTION-WIRE DIAGRAM

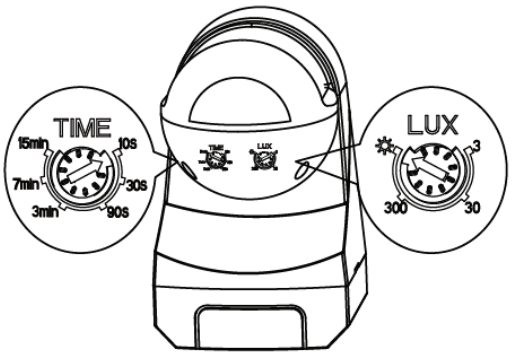


SENSOR INFORMATION

The sensor is capable of detecting motion from the front, bottom, and rear sides.



TEST



- Turn the TIME knob anti-clockwise on the minimum (10s). Turn the LUX knob 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 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 could not work!

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 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.
e. Please check if the moving orientation is correct.

- **The sensor can not 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.

RoHS CE UKCA 22 PAP

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