

## FTVOGUE FTVOGUEfdmhuirxtb

# FTVOGUE Outdoor 90-250V 180 Degree PIR Motion Sensor Switch Instruction Manual

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your FTVOGUE Outdoor 90-250V 180 Degree PIR Motion Sensor Switch. Please read this manual thoroughly before installation and use to ensure proper function and safety. This device is designed to automatically control lighting based on detected motion and ambient light levels, offering convenience and energy efficiency.

## 2. PRODUCT OVERVIEW

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The FTVOGUE PIR Motion Sensor Switch is an infrared-based detector that senses human movement within its detection field. Upon detection, it activates connected loads, such as lights, and deactivates them after a pre-selected time delay when no further motion is detected. It also features an adjustable light sensor to determine whether to operate during the day or only at night.



Image 1: FTVOGUE Outdoor 180 Degree PIR Motion Sensor Switch. This image shows the compact black housing of the motion sensor with its adjustable head and the three colored wires (red, blue, black) extending from the base.

### Key Features:

- Automatic ON/OFF based on PIR motion detection.
- Integrated light sensor for day/night operation control.
- Adjustable time delay from 5 seconds to 6 minutes.
- Adjustable sensitivity for detection range.
- Wide operating voltage range: 90-250V.

### 3. SAFETY INFORMATION

**WARNING:** Installation of this device involves high voltage electricity. Improper installation can lead to electric shock, fire, or serious injury. Always consult a qualified electrician for installation if you are not familiar with electrical wiring. Adhere to all local electrical codes and regulations.

- **Disconnect Power:** Always turn off power at the circuit breaker or fuse box before attempting any installation, wiring, or maintenance.
- **Voltage Compatibility:** Ensure the power supply voltage (90-250V) is compatible with the sensor's specifications.
- **Wiring:** Pay close attention to wiring connections. Non-standard wire colors may be used; verify connections carefully.
- **Outdoor Use:** This product is designed for outdoor use. Ensure all connections are properly sealed

and protected from moisture.

- **Load Capacity:** Do not exceed the maximum load capacity of the sensor.

## 4. INSTALLATION

### 4.1 Mounting Location

Select a suitable wall-mount location that provides the desired detection coverage. Avoid mounting near heat sources, air conditioning vents, or areas with direct sunlight, as these can cause false triggers. Ensure the sensor has a clear line of sight to the detection area.

### 4.2 Wiring Instructions

**IMPORTANT:** Disconnect power before proceeding with wiring. The wire colors on this device may not conform to standard electrical codes in all regions. Refer to the diagram below and verify connections carefully.

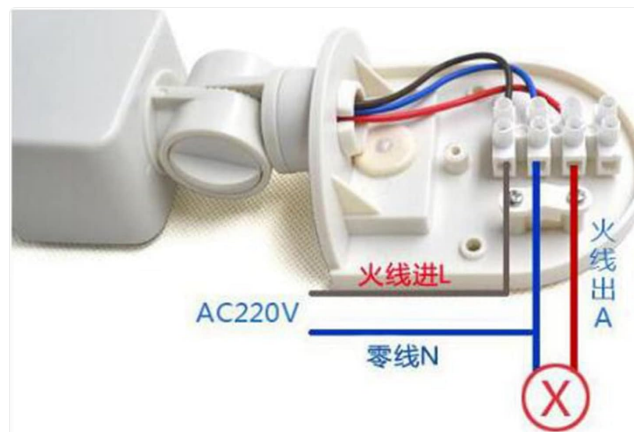


Image 2: Wiring Diagram. This diagram illustrates the electrical connections for the motion sensor, showing input for Live (L) and Neutral (N) wires, and an output Live (A) wire to the load (e.g., a light fixture). The diagram indicates AC220V input, but the device supports 90-250V.

Based on the provided diagram and common electrical practices for this type of sensor:

- **Black Wire:** Connect to the incoming **Live (L)** power supply wire.
- **Blue Wire:** Connect to the incoming **Neutral (N)** power supply wire.
- **Red Wire:** Connect to the **Live (A)** wire of the load (e.g., the light fixture). This is the switched live output.

Ensure all connections are secure and insulated. After wiring, restore power and proceed to the operation section.

## 5. OPERATION AND ADJUSTMENTS

The sensor features three adjustable knobs to customize its behavior:



Image 3: Close-up of Adjustment Knobs. This image shows the three control knobs labeled 'SENS', 'TIME', and 'LUX' on the underside of the sensor head, allowing users to fine-tune its settings.

- **SENS (Sensitivity):**

This knob controls the detection range of the sensor. Turn it clockwise to increase sensitivity and detection distance, and counter-clockwise to decrease it. Adjust to prevent unwanted triggers from distant objects or small animals.

- **TIME (Time Delay):**

This knob sets how long the connected light remains on after motion is last detected. The adjustable range is typically from 5 seconds to 6 minutes. Turn clockwise for a longer delay, counter-clockwise for a shorter delay.

- **LUX (Light Sensor):**

This knob determines the ambient light level at which the sensor will become active.

- Turn towards the 'sun' symbol (maximum) for the sensor to operate during both day and night.
- Turn towards the 'moon' symbol (minimum) for the sensor to operate only when the ambient light is low (i.e., at night).

## 6. MAINTENANCE

The FTVOGUE PIR Motion Sensor Switch requires minimal maintenance.

- **Cleaning:** Periodically wipe the sensor lens with a soft, damp cloth to remove dust or dirt that may

obstruct detection. Do not use abrasive cleaners or solvents.

- **Inspection:** Regularly check for any signs of damage to the housing or wiring. If damage is found, disconnect power and have the unit inspected by a qualified professional.
- **No User-Serviceable Parts:** Do not attempt to open or repair the sensor yourself. This will void any warranty and may pose a safety risk.

## 7. TROUBLESHOOTING

If you experience issues with your motion sensor, refer to the following troubleshooting guide:

- **Light does not turn on when motion is detected:**
  - Check if power is supplied to the sensor.
  - Verify wiring connections are correct and secure.
  - Adjust the LUX setting towards the 'sun' symbol to ensure it operates in current ambient light conditions.
  - Increase SENS (sensitivity) to ensure motion is being detected.
  - Ensure the detection area is clear of obstructions.
- **Light stays on continuously:**
  - Check if there is continuous motion within the detection range.
  - Reduce SENS (sensitivity) if false triggers are occurring from distant or unintended sources.
  - Ensure the TIME setting is not set to its maximum or stuck.
  - If the LUX setting is too high, it might be overriding the motion detection logic in some conditions.
- **Light turns on randomly (false triggers):**
  - Reduce SENS (sensitivity).
  - Relocate the sensor if it is exposed to heat sources (e.g., exhaust vents, direct sunlight, reflective surfaces) or moving objects (e.g., tree branches, passing vehicles) that could cause false detections.

If problems persist after troubleshooting, contact customer support or a qualified electrician.

## 8. SPECIFICATIONS

<b>Brand</b>	FTVOGUE
<b>Model Number</b>	FTVOGUEfdmhuirxtb
<b>Operating Voltage</b>	90-250V AC
<b>Detection Angle</b>	180 Degrees
<b>Maximum Detection Range</b>	12 Meters
<b>Time Delay Adjustment</b>	5 seconds to 6 minutes
<b>Mounting Type</b>	Wall Mount
<b>Material</b>	Metal plastic
<b>Product Dimensions (D x W x H)</b>	1.9" x 2.4" x 6.1"

<b>Item Weight</b>	0.12 Kilograms (4.2 ounces)
<b>Certifications</b>	CE, RoHS

## **9. WARRANTY AND SUPPORT**

For warranty information or technical support, please refer to the product packaging or contact your retailer. Keep your purchase receipt as proof of purchase.