Westgate YM2108-T-W

Instruction Manual

WESTGATE YM2108-T-W VACANCY AND OCCUPANCY SENSOR WALL SWITCH

1. Introduction

Thank you for choosing the Westgate YM2108-T-W Vacancy and Occupancy Sensor Wall Switch. This device is designed to enhance energy efficiency and convenience by automatically controlling lighting based on room occupancy. It is suitable for various applications, including bathrooms, garages, laundry rooms, and utility areas.

2. Safety Information

WARNING: To avoid fire, shock, or death; turn off power at circuit breaker or fuse box and test that power is off before wiring! This device requires a neutral wire for proper operation. If you are unsure about any part of these instructions, consult a qualified electrician.

- Always disconnect power before installation or servicing.
- Ensure all wiring connections are secure and comply with local electrical codes.
- This product is UL Listed and Title-24 Compliant, ensuring it meets safety and energy efficiency standards.
- Do not use with loads exceeding the specified ratings.

3. Product Overview

The Westgate YM2108-T-W is a versatile wall switch that can function as either a vacancy sensor or an occupancy sensor, providing flexible lighting control. Its decorative style blends seamlessly with most interiors.

Figure 1: Front view of the Westgate YM2108-T-W Vacancy and Occupancy Sensor Wall Switch. The switch is white with a clear sensor lens at the top and a solid white lower section, mounted within a standard white wall plate.

Key Features:

- Automatically turns lights on or off based on motion detection.
- Functions as both an occupancy (auto-on/auto-off) and vacancy (manual-on/auto-off) sensor.
- Replaces standard single-pole or 3-way switches.
- Adjustable time delay from 1 minute to 30 minutes.

- Adjustable light level sensitivity.
- Compatible with incandescent, fluorescent, low voltage, electronic, and magnetic loads, including bathroom fans.
- UL Listed and Title-24 Compliant.

4. Setup and Installation

Before beginning installation, ensure power is OFF at the circuit breaker. This sensor requires a neutral wire connection. If your existing switch box does not have a neutral wire, consult a qualified electrician.

1. **Turn Off Power:** Locate the circuit breaker controlling the switch you are replacing and turn it OFF. Verify power is off using a voltage tester.
2. **Remove Old Switch:** Carefully remove the existing wall plate and unscrew the old switch from the wall box. Disconnect the wires from the old switch, noting their connections.
3. **Identify Wires:** Identify the Line (hot), Load, Neutral, and Ground wires in the wall box. The Westgate YM2108-T-W typically has five wires: Line, Load, Neutral, Ground, and a Traveler wire for 3-way applications.
4. **Wire Connections:** Connect the wires from the wall box to the corresponding wires on the Westgate sensor using wire nuts.

   - Connect the **Line** wire to the sensor's Line wire.
   - Connect the **Load** wire to the sensor's Load wire.
   - Connect the **Neutral** wire to the sensor's Neutral wire.
   - Connect the **Ground** wire to the sensor's Ground wire.
   - For 3-way applications, connect the **Traveler** wire to the sensor's Traveler wire and to the corresponding traveler wire on the other 3-way switch. For single-pole applications, cap off the traveler wire.

5. **Mount Sensor:** Carefully push the wired sensor into the wall box and secure it with the provided screws.
6. **Install Wall Plate:** Attach the new wall plate.
7. **Restore Power:** Turn the power back ON at the circuit breaker.

5. Operating Instructions

The Westgate YM2108-T-W sensor offers flexible operation modes and adjustable settings.

Operating Modes:

- **Occupancy Mode (Auto-ON/Auto-OFF):** In this mode, the lights will automatically turn ON when motion is detected and turn OFF after the set time delay when no motion is detected.
- **Vacancy Mode (Manual-ON/Auto-OFF):** In this mode, the lights must be manually turned ON by pressing the switch. They will then automatically turn OFF after the set time delay when no motion is detected. This mode is Title 24 compliant.

The mode can typically be selected via a small switch or setting on the device itself, often accessible by removing the wall plate or a small cover.

Adjustable Settings:

- **Time Delay:** Adjust the time the lights remain ON after the last detected motion. This can typically be set from 1 minute to 30 minutes. Locate the adjustment dial or switch on the sensor and set it to your desired duration.
- **Light Level Sensitivity (Photocell):** This setting determines at what ambient light level the sensor will allow the lights to turn on (primarily in Occupancy mode). If the room is already bright enough, the sensor can be set to prevent lights from turning on. Adjust this setting to suit your environment.

6. Maintenance

The Westgate YM2108-T-W sensor is designed for minimal maintenance. To ensure optimal performance and longevity:

- **Cleaning:** Periodically wipe the sensor lens and outer surface with a soft, dry cloth. Do not use abrasive cleaners, solvents, or excessive moisture, as these can damage the device.
- **Inspection:** Occasionally inspect the wall plate and sensor for any signs of damage or loose connections.

No user-serviceable parts are inside. Refer all servicing to qualified personnel.

7. Troubleshooting

If you experience issues with your Westgate YM2108-T-W sensor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn ON automatically.	Incorrect operating mode (Vacancy mode selected). Light level sensitivity set too high (photocell prevents activation). No power to the switch. Wiring error. Sensor obstructed or out of range.	Switch to Occupancy mode if auto-ON is desired. Adjust light level sensitivity setting. Check circuit breaker and wiring connections. Verify all wires are connected correctly, especially Line and Neutral. Ensure sensor is not blocked and motion is within detection range.
Lights do not turn OFF.	Constant motion detected. Time delay set too long. Wiring error (e.g., Load wire connected incorrectly). Faulty sensor.	Ensure no continuous motion is within the sensor's view. Adjust time delay to a shorter duration. Verify Load wire connection. If issues persist after checking other points, contact support.
Sensor is unresponsive.	No power. Loose wiring connections. Incorrect wiring (e.g., missing neutral).	Check circuit breaker. Turn off power and re-secure all wire nuts. Ensure neutral wire is correctly connected.

8. Specifications

Attribute	Detail
Brand	Westgate
Model Number	YM2108-T-W
Manufacturer	Westgate Manufaturing
Power Source	Corded Electric
Mounting Type	Wall Mount
Color	White
Package Dimensions	4.7 x 2.9 x 2.3 inches

Attribute	Detail
Item Weight	5.6 ounces
Battery Description	Battery not included
Compliance	UL Listed, Title-24 Compliant

9. Warranty and Support

For warranty information and technical support regarding your Westgate YM2108-T-W Vacancy and Occupancy Sensor Wall Switch, please contact Westgate Manufaturing directly. Retain your proof of purchase for warranty claims.
For further assistance, you may visit the Westgate Store on Amazon.