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Watt Stopper PW-200-G

Wattstopper PW-200-G Occupancy Sensor User Manual

Model: PW-200-G

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the Wattstopper PW-200-G Occupancy Sensor. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

PRODUCT OVERVIEW

The Wattstopper PW-200-G is a passive infrared (PIR) occupancy sensor designed for automatic lighting control in various indoor environments. It features dual relay type functionality and is suitable for small offices, conference rooms, and break rooms.

Key Features:

- Detection signature processing eliminates false triggers.
- Dual relay type for versatile control.
- Compact dimensions: 2.73 inches L x 1.76 inches W x 1.83 inches D.
- Wide voltage rating: 120/230/277 VAC at 50/60 Hz.
- Wall mount installation.
- Sensing distance up to 35 feet.

PRODUCT VISUALS



Figure 1: Front view of the Wattstopper PW-200-G Occupancy Sensor. The sensor is grey, designed for wall mounting, and features two push buttons at the top for manual control of the dual relays. The lower section contains the PIR lens for motion detection. Mounting screws are visible at the top and bottom of the metal bracket.

SETUP AND INSTALLATION

The PW-200-G sensor is designed for wall mount installation. Ensure power is disconnected before beginning installation.

Installation Steps:

1. **Safety First:** Turn off power at the circuit breaker before attempting any wiring.
2. **Wiring:** Connect the sensor according to the provided wiring diagram (not included in this general manual, refer to product packaging for specific diagrams). Ensure correct voltage connections (120/230/277 VAC).
3. **Mounting:** Securely mount the sensor to the wall using the integrated mounting bracket and screws. Ensure it is

positioned to cover the desired detection area effectively.

4. **Power On:** Restore power at the circuit breaker.
5. **Testing:** Verify proper operation by walking through the detection area.

Important: Avoid installing the sensor near heat sources, air vents, or in direct sunlight, as these can interfere with its detection capabilities.

OPERATING INSTRUCTIONS

The Wattstopper PW-200-G operates by detecting occupancy within its sensing range, automatically controlling connected loads (e.g., lights).

Automatic Operation:

- When occupancy is detected, the sensor will activate the connected load(s).
- After the area becomes vacant, the sensor will maintain the load(s) for a preset time delay before turning them off.
- The sensor's detection signature processing helps prevent false triggers, ensuring reliable operation.

Manual Control (if applicable):

The sensor may include manual override buttons (as suggested by the image with two push buttons). Refer to the specific product wiring diagram and instructions for details on manual control of the dual relays.

MAINTENANCE

The Wattstopper PW-200-G Occupancy Sensor requires minimal maintenance to ensure optimal performance.

- **Cleaning:** Periodically wipe the sensor lens and housing with a soft, dry cloth to remove dust or debris. Do not use abrasive cleaners or solvents.
- **Inspection:** Annually inspect the sensor for any visible damage or loose connections.
- **Environment:** Ensure the operating environment remains within specified temperature and humidity ranges.

TROUBLESHOOTING

If you experience issues with your Wattstopper PW-200-G Occupancy Sensor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn on with occupancy.	No power to sensor; incorrect wiring; sensor lens obstructed; sensor sensitivity too low.	Check circuit breaker; verify wiring connections; clear obstructions from lens; adjust sensitivity (if adjustable).
Lights turn off too quickly or too slowly.	Time delay setting incorrect.	Adjust the time delay setting (refer to specific product instructions for adjustment methods).
Lights turn on without occupancy (false triggers).	Heat sources or air currents in detection area; sensor sensitivity too high.	Relocate sensor away from heat/air sources; reduce sensitivity (if adjustable); ensure proper mounting.

If the problem persists after attempting these solutions, contact a qualified electrician or Watt Stopper customer support.

SPECIFICATIONS

Attribute	Value
Brand	Watt Stopper
Model Number	PW-200-G
Dimensions (L x W x H)	2.73 x 1.76 x 1.83 inches
Weight	6.4 ounces
Material	PW
Color	Grey
Maximum Supply Voltage	277 Volts (AC)
Measuring Range	20 - 35 feet
Mounting Type	Wall Mount
Output Type	Digital
Specific Uses	Indoor, Office, Break Room
Switch Style	Push Button Motion
Certification	UL, CUL
UPC	754182919321

WARRANTY AND SUPPORT

Specific warranty details for the Wattstopper PW-200-G Occupancy Sensor are typically provided with the product packaging or can be found on the official Watt Stopper website. For technical support, product inquiries, or warranty claims, please contact Watt Stopper customer service directly.

You can often find contact information and additional resources on the manufacturer's official website: [Watt Stopper Official Website](#)

