Lutron MS-OPS5MH-WH

Lutron MS-OPS5MH-WH White Occupancy Sensor Switch User Manual

Model: MS-OPS5MH-WH

Introduction

The Lutron MS-OPS5MH-WH Occupancy Sensor Switch is designed to automatically turn lights ON and OFF based on room occupancy and ambient daylight. This device enhances energy efficiency by ensuring lights are only on when needed, providing convenience and cost savings. It is suitable for various lighting loads and can be configured for single-pole or 3-way applications.

Key Features

- **Automatic Operation:** Automatically turns lights ON and OFF based on occupancy.
- **Broad Compatibility:** Works with all bulb types, including incandescent, halogen, ELV, MLV, CFL, and LED.
- **Optional Vacancy Mode:** Supports manual-on operation for enhanced energy control.
- **XCT™ Sensing Technology:** Ensures lights stay on when the room is occupied, preventing false offs.
- **Daylight Sensing:** Integrates daylight sensing to only turn lights on when natural light is insufficient.
- **Load Capacity:** Supports up to 600 Watts for lighting loads and 3 Amps for fans.
- **Wiring Options:** Compatible with single-pole and 3-way wiring configurations.



Image: Lutron MS-OPS5MH-WH Occupancy Sensor Switch packaging, highlighting features such as automatic ON/OFF, compatibility with various bulb types, optional vacancy mode, XCT™ Sensing Technology, daylight sensing, and load capacities for lighting and fans. It also illustrates single-pole and 3-way wiring options.

Setup and Installation

WARNING: To avoid serious injury or death, turn OFF power at the circuit breaker or fuse box before wiring. Installation should be performed by a qualified electrician or in accordance with local electrical codes.

1. **Turn Off Power:** Locate the circuit breaker or fuse that controls the power to the switch location and turn it off. Verify power is off using a voltage tester.
2. **Remove Existing Switch:** Carefully remove the wallplate and unscrew the existing switch from the wall box. Disconnect the wires from the old switch.
3. **Wire the Sensor Switch:** Connect the wires from the wall box to the Lutron MS-OPS5MH-WH switch according to the wiring diagram provided in the product's detailed installation guide (not included here). Ensure all connections are secure.
4. **Mount the Switch:** Gently push the wired switch into the wall box and secure it with the mounting screws. Attach the new wallplate.
5. **Restore Power:** Turn the power back on at the circuit breaker or fuse box.
6. **Test Operation:** Test the sensor switch to ensure it functions correctly.

Operating Instructions

The Lutron MS-OPS5MH-WH operates primarily in an automatic occupancy sensing mode, but also offers a vacancy mode option.

Occupancy Mode (Default)

In occupancy mode, the sensor automatically turns lights ON when it detects motion in the room and turns them OFF after a set time delay when no occupancy is detected. The integrated daylight sensor will prevent lights from turning on if there is sufficient natural light.

Vacancy Mode (Manual On)

If configured for vacancy mode, the lights must be manually turned ON by pressing the switch button. Once turned on, the sensor will automatically turn the lights OFF after a set time delay when no occupancy is detected. This mode provides greater energy savings by ensuring lights are only turned on when intentionally desired.

Daylight Sensing

The built-in daylight sensor continuously monitors ambient light levels. If sufficient natural light is present, the sensor will prevent the lights from turning on, even if occupancy is detected, further optimizing energy use.

Maintenance

The Lutron MS-OPS5MH-WH Occupancy Sensor Switch requires minimal maintenance.

- **Cleaning:** To clean the surface of the switch, use a soft, damp cloth. Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the finish or internal components.
- **Sensor Lens:** Ensure the sensor lens is kept clear of dust and obstructions for optimal performance.

Troubleshooting

Problem	Solution

Problem	Solution
Lights do not turn ON automatically.	Check if the switch is in vacancy mode (manual on). Ensure power is supplied to the switch. Verify the sensor lens is not obstructed. Adjust sensitivity if needed.
Lights turn OFF too quickly or too slowly.	Adjust the time-out setting on the sensor switch. Refer to the detailed installation guide for specific adjustment procedures.
Lights turn ON when there is sufficient daylight.	Adjust the daylight sensor sensitivity. Ensure the sensor is not obstructed or in a location with insufficient ambient light.
Lights flicker or do not turn ON/OFF reliably.	Verify all wiring connections are secure. Ensure the connected lighting load is within the specified wattage/amperage limits. Consult a qualified electrician if issues persist.

Specifications

Attribute	Value
Model Number	MS-OPS5MH-WH
Brand	Lutron
Operation Mode	ON-OFF (Occupancy/Vacancy Sensing)
Circuit Type	Single-pole, 3-way
Lighting Load Capacity	600 W (incandescent, halogen, ELV); 450 W (MLV); 360 W (CFL, LED)
Fan Load Capacity	3 Amps
Ballast Load Capacity	5 Amps
Product Dimensions	11.25 x 4 x 6 inches; 3.7 ounces
Contact Material	Copper
International Protection Rating	IP00

Warranty and Support

Lutron products are designed for reliability and performance. This product is covered by a limited warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official Lutron website.
For technical assistance, troubleshooting, or product inquiries, please contact Lutron Customer Support. Contact information can typically be found on the Lutron website or within the product packaging.

© 2024 Lutron Electronics Co., Inc. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question