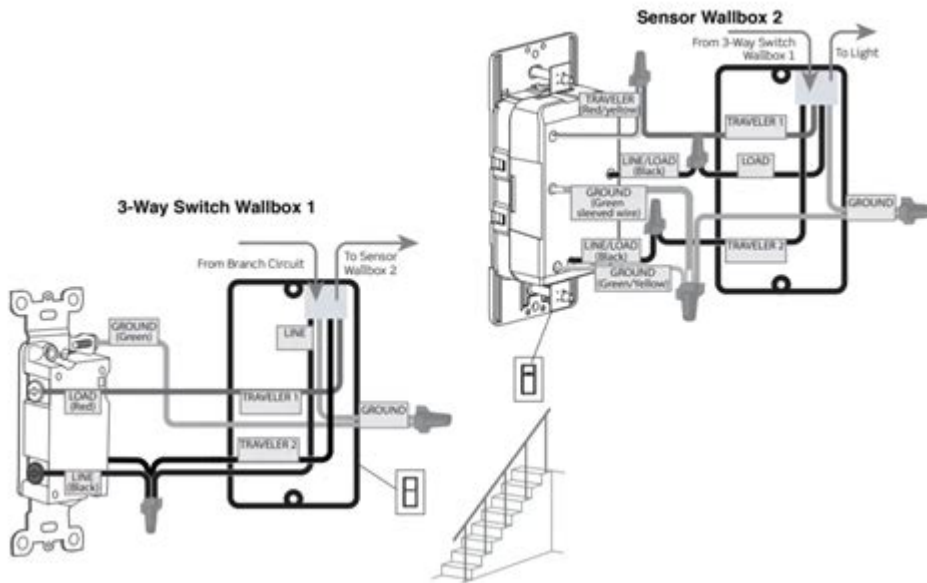# Leviton Motion Sensor Switch Manual

Leviton Motion Sensor Switch Manual is an essential resource for anyone looking to install or troubleshoot Leviton motion sensor switches. These devices are designed to enhance convenience and energy efficiency in residential and commercial settings by automatically turning lights on and off based on movement. This article serves as a comprehensive guide to understanding, installing, and maintaining Leviton motion sensor switches.

Understanding Leviton Motion Sensor Switches

Leviton is a well-known manufacturer of electrical devices, including motion sensor switches. These switches use infrared sensors to detect movement and can be programmed to control lighting and other electrical devices. The key benefits of using Leviton motion sensor switches include:

- **Energy Efficiency:** Automatically turns lights off when no motion is detected, reducing energy waste.

- **Convenience:** Eliminates the need to manually switch lights on and off.

- **Enhanced Security:** Lights can be set to turn on when someone approaches, deterring potential intruders.

Types of Leviton Motion Sensor Switches

Leviton offers several types of motion sensor switches, each designed for specific applications. Understanding these types can help you choose the right model for your needs.

1. Wall Switch Sensors

These resemble standard light switches but include built-in motion sensors. They are ideal for rooms like bathrooms, hallways, and offices.

2. Ceiling-Mount Sensors

These sensors are installed on ceilings and are suitable for larger areas such as warehouses and garages. They typically cover a wider detection range.

3. Outdoor Sensors

Designed for exterior applications, these sensors are weather-resistant and can be used to control outdoor lighting.

Installation Process

Installing a Leviton motion sensor switch can be straightforward, especially for those with basic electrical knowledge. Below is a step-by-step guide to help you through the installation process.

Tools and Materials Needed

Before you begin, gather the following tools and materials:

- Leviton Motion Sensor Switch

- Wire Strippers

- Flathead and Phillips Screwdrivers

- Electrical Tape

- Voltage Tester

Step-by-Step Installation Guide

1. **Turn Off Power:** Before starting, turn off the power at the circuit breaker to avoid any electrical hazards.

2. **Remove Existing Switch:** Unscrew the existing switch from the wall and carefully pull it out. Use the voltage tester to ensure no current is flowing.

3. **Connect Wires:** Identify the wires connected to the old switch. Typically, you will see a black (hot), white (neutral), and green or bare (ground) wire. Connect these to the corresponding terminals on the Leviton motion sensor switch as follows:

   - Black wire to the black terminal.

   - White wire to the white terminal.

   - Green or bare wire to the green terminal.

4. **Secure the Switch:** Carefully tuck the wires back into the electrical box and secure the motion sensor switch with screws.

5. **Restore Power:** Turn the circuit breaker back on and test the switch to ensure it functions correctly.

Programming the Motion Sensor Switch

After installation, programming your Leviton motion sensor switch is crucial to maximize its effectiveness. Depending on the model, you may have different programming options. Here are some common settings:

1. Sensitivity Levels

Adjust the sensitivity setting to determine how much movement is required to trigger the switch. Most models allow for low, medium, and high sensitivity options.

2. Time Delay Settings

Time delay settings control how long the lights stay on after motion is no longer detected. Common time delay options range from 30 seconds to 10

minutes.

3. Ambient Light Level

Some models allow you to set the ambient light level at which the sensor will activate. This prevents lights from turning on during the day when there is ample natural light.

Refer to the specific model's manual for detailed programming instructions, as features may vary.

Troubleshooting Common Issues

Despite their reliability, you may encounter some issues with your Leviton motion sensor switch. Here are common problems and solutions:

1. Sensor Not Detecting Motion

- Ensure the sensor is installed within the recommended height and angle.
- Check if the sensitivity setting is too low; adjust if necessary.
- Ensure there are no obstructions blocking the sensor's view.

2. Lights Staying On or Off

- Verify the wiring connections are secure and correct.
- Check the time delay settings; they may be set too long or too short.
- Ensure the ambient light level setting is appropriate for the environment.

3. Frequent False Triggers

- Consider the placement of the sensor; avoid areas with constant movement, such as near doors or windows.
- Adjust sensitivity to a lower setting to minimize false triggers.

Maintenance Tips

To ensure optimal performance of your Leviton motion sensor switch, consider the following maintenance tips:

- **Regular Cleaning:** Dust and debris can obstruct the sensor. Periodically clean the sensor lens with a soft, dry cloth.

- **Check for Updates:** If applicable, check for firmware updates from Leviton that may improve functionality.

- **Inspect Wiring:** Occasionally inspect the wiring for frays or damage, especially if you notice irregular performance.

Conclusion

The **Leviton Motion Sensor Switch Manual** serves as an invaluable resource for anyone looking to install or maintain a Leviton motion sensor switch. Understanding the types of switches available, following proper installation procedures, and knowing how to troubleshoot common issues will enhance your experience with these devices. By integrating motion sensor switches into your home or business, you can achieve greater energy efficiency, convenience, and security. For specific product details and advanced troubleshooting, always refer to the official Leviton manual corresponding to your specific model.

Frequently Asked Questions

What is the purpose of the Leviton motion sensor switch?

The Leviton motion sensor switch is designed to automatically turn lights on and off based on detected movement, enhancing energy efficiency and convenience in residential or commercial settings.

How do I install a Leviton motion sensor switch?

To install a Leviton motion sensor switch, first turn off the power at the circuit breaker, then connect the wires according to the provided manual, ensuring the load, line, and ground wires are correctly attached. Finally, secure the switch in the wall box and restore power.

What settings can I adjust on a Leviton motion sensor switch?

You can adjust settings such as sensitivity, time delay, and ambient light level on most Leviton motion sensor switches, allowing customization of how and when the lights activate.

Can I use a Leviton motion sensor switch with LED

lights?

Yes, Leviton motion sensor switches are compatible with LED lights, but it's important to check the specifications in the manual to ensure proper functionality and avoid flickering.

What should I do if my Leviton motion sensor switch is not functioning properly?

If the switch is not functioning, check for loose wiring connections, ensure the motion sensor is not obstructed, and verify that it is set to the correct mode. Refer to the troubleshooting section of the manual for more detailed steps.

Where can I find the manual for my specific model of Leviton motion sensor switch?

You can find the manual for your specific model by visiting the Leviton website, navigating to the support section, and entering your model number, or by searching for the manual in the product packaging.

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