JASCO 45609

JASCO GE Z-Wave On/Off Relay Switch (Model 45609 / ZW4001) Instruction Manual

Your Guide to Installation and Operation

1. INTRODUCTION

This instruction manual provides comprehensive guidance for the installation, configuration, and operation of the JASCO GE Z-Wave On/Off Relay Switch, Model 45609 (ZW4001). This device is designed to integrate into your Z-Wave wireless lighting control system, enabling remote ON/OFF control of permanently installed lighting fixtures and ceiling fans.

The GE Z-Wave On/Off Relay Switch offers a convenient solution for smart home automation, compatible with various lighting types including CFL, LED, Xenon, Halogen, Fluorescent, and Incandescent. It supports both 2-way and 3-way wiring configurations when used with an auxiliary switch.

2. IMPORTANT SAFETY INFORMATION

WARNING: RISK OF ELECTRIC SHOCK. Installation involves high voltage wiring. Improper installation can result in serious injury or death. Always consult a qualified electrician if you are unsure about any part of the installation process.

- **DISCONNECT POWER:** Before installation, turn OFF the power to the switch location at the circuit breaker or fuse box.
- **NEUTRAL WIRE REQUIRED:** This switch requires a neutral wire for operation. If your existing switch box does not have a neutral wire, consult a qualified electrician.
- **INDOOR USE ONLY:** This device is intended for indoor use in dry locations.
- **LOAD COMPATIBILITY:** Ensure the connected load does not exceed the switch's maximum rating.
- **FAN CONTROL:** This switch provides ON/OFF control for ceiling fans; speed control is not supported.

3. PACKAGE CONTENTS

- GE Z-Wave On/Off Relay Switch (Model 45609 / ZW4001)

- Wiring Nuts (typically included, but may vary)
- Instruction Manual (this document)

Note: A wallplate is not included and must be purchased separately.

4. SETUP AND INSTALLATION

Follow these steps carefully to install your GE Z-Wave On/Off Relay Switch. If you are unfamiliar with electrical wiring, please consult a qualified electrician.

4.1 Wiring Diagram Overview

The switch requires Line (Hot), Load, Neutral, and Ground connections. For 3-way installations, an auxiliary switch (e.g., GE 45610) and a traveler wire are also required.

Figure 1: Front view of the GE Z-Wave On/Off Relay Switch (Model 45609) without a wallplate, showing the rocker switch and mounting bracket. The "TOP" indicator is visible at the top of the metal bracket. Electrical ratings (120VAC, 60Hz, 15A Resistive Load) are printed on the side.

4.2 Installation Steps

1. **Turn Off Power:** Locate the circuit breaker or fuse that supplies power to the switch box. Turn it OFF completely. 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, noting which wire was connected to which

terminal. It is recommended to label the wires (Line, Load, Neutral, Ground, Traveler if applicable).

3. **Identify Wires:**

    - **Line (Hot):** Connects to the electrical panel, providing power.
    - **Load:** Connects to the light fixture or fan.
    - **Neutral:** Typically white, required for the switch to operate.
    - **Ground:** Bare copper or green wire.
    - **Traveler (for 3-way):** Connects to the auxiliary switch.

4. **Wire the Z-Wave Switch:** Connect the wires to the GE Z-Wave switch terminals as follows:

    - **Ground Wire:** Connect to the green GROUND terminal.
    - **Neutral Wire:** Connect to the white NEUTRAL terminal.
    - **Line (Hot) Wire:** Connect to the black LINE terminal.
    - **Load Wire:** Connect to the black LOAD terminal.
    - **Traveler Wire (if 3-way):** Connect to the red TRAVELER terminal. Cap off the traveler wire if not used.

5. **Mount the Switch:** Carefully fold the wires and push the switch into the wall box. Secure the switch with the provided screws.

6. **Install Wallplate:** Attach the new wallplate (not included) over the switch.

7. **Restore Power:** Turn the power back ON at the circuit breaker.

8. **Test Functionality:** Manually press the rocker switch to ensure the connected light or fan turns ON and OFF.

Figure 2: Front view of the GE Z-Wave On/Off Relay Switch (Model 45609) with a light almond wallplate installed. This illustrates the finished appearance of the switch in a standard electrical box.

5. OPERATING INSTRUCTIONS

5.1 Manual Control

The GE Z-Wave On/Off Relay Switch can be operated manually:

- Press the top of the rocker switch to turn the connected device ON.
- Press the bottom of the rocker switch to turn the connected device OFF.
- An LED indicator on the switch illuminates to show its location in a dark room.

5.2 Z-Wave Network Inclusion (Pairing)

To add the switch to your Z-Wave network:

1. Place your Z-Wave controller into inclusion (pairing) mode. Refer to your controller's instruction manual for specific steps.

2. Once the controller is in inclusion mode,**quickly tap the top or bottom of the rocker switch once** The LED indicator on the switch may flash to confirm inclusion.

3. The controller will confirm successful inclusion. You can now control the switch remotely through your Z-Wave network.

Note: Pairing typically requires a light, quick tap, not a prolonged press.

5.3 Z-Wave Network Exclusion (Unpairing)

To remove the switch from your Z-Wave network:

1. Place your Z-Wave controller into exclusion (unpairing) mode. Refer to your controller's instruction manual for specific steps.

2. Once the controller is in exclusion mode,**quickly tap the top or bottom of the rocker switch once** The LED indicator on the switch may flash to confirm exclusion.

3. The controller will confirm successful exclusion. The switch is now removed from your Z-Wave network.

6. MAINTENANCE

- **Cleaning:** To clean the switch, wipe it with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **No User-Serviceable Parts:** There are no user-serviceable parts inside the switch. Do not attempt to open or repair the device.
- **Firmware Updates:** Any firmware updates would be managed through your Z-Wave controller, if supported.

7. TROUBLESHOOTING

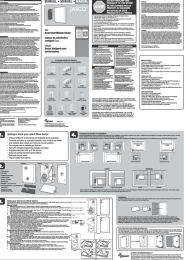| Problem	Possible Cause	Solution
Light/Fan does not turn ON/OFF manually.	No power to the switch. Incorrect wiring. Loose wire connections. Faulty bulb/fixture.	Check circuit breaker. Verify wiring against Section 4.2. Ensure all wire connections are secure. Test with a known working bulb/fixture.
Switch does not respond to Z-Wave controller.	Not properly included in the Z-Wave network. Controller is out of range. Interference.	Perform Z-Wave exclusion, then re-inclusion (Section 5.2, 5.3). Move controller closer to the switch or add Z-Wave repeaters. Ensure no other devices are causing wireless interference.
LED indicator is not working.	No power to the switch. Switch malfunction.	Check power and wiring. Contact customer support if power is confirmed and LED remains off.

8. SPECIFICATIONS

Feature	Detail
Model Number	45609 (ZW4001)
Brand	JASCO (GE)
Power	120VAC, 60Hz
Maximum Load	15A Resistive Load
Wireless Technology	Z-Wave
Wiring Configuration	2-way or 3-way (with auxiliary switch)
Neutral Wire	Required
Dimensions (L x W x H)	10.49 x 5.41 x 4.45 cm (approx. 4.13 x 2.13 x 1.75 inches)
Weight	113.4 g (approx. 4 oz)
Operation Mode	ON-OFF
Switch Type	Rocker
Mounting Type	Wall Mount (standard electrical box)
Controller Type	SmartThings (compatible with other Z-Wave controllers)

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the JASCO Products website. Keep your proof of purchase for warranty claims.

JASCO Products provides customer support for their Z-Wave devices. Contact information can typically be found on their official website or on the product packaging.

Related Documents - 45609

[JASCO Z-Wave On/Off Relay Switch & 3-Way Kit Installation Guide](#)

Installation guide and user manual for the JASCO Z-Wave Certified Wireless Lighting Control On/Off Relay Switch and 3-Way Switch Kit (models 45609, 45610, ZW4001). Learn about setup, wiring, features, safety, and specifications for smart home lighting automation.

[Jasco ZWN3109 Plug-in Dimmer User Manual](#)

User manual for the Jasco ZWN3109 Plug-in Dimmer, detailing specifications, features, installation, and configuration for Z-Wave networks. Includes FCC statements, warnings, and technical command class information.

[JASCO Smart Door/Window Sensor Installation Guide](#)

This guide provides instructions for installing and pairing the JASCO Z-Wave 700 series Door/Window Sensor (model U2ZZW6308) with Z-Wave certified hubs.

[Z-Wave Plus In-Wall Smart Switch 800S User Manual](#)

User manual for the Jasco Z-Wave Plus In-Wall Smart Switch, model 800S (ZWN4016), detailing specifications, installation, features, button functions, device inclusion, command classes, and configuration parameters.

[Jasco Z-Wave In-wall Smart Switch (ZW4008) Product Specifications and Manual](#)

Detailed specifications, installation guide, and features for the Jasco Z-Wave In-wall Smart Switch, model ZW4008. Learn about its QuickFit and SimpleWire technologies, Z-Wave Plus with S2 Security and SmartStart, voice control compatibility with Alexa and Google Home, and wiring instructions.

[Jasco ZWN6310 Z-Wave Water Leak Sensor User Manual and Installation Guide](#)

Comprehensive guide for the Jasco ZWN6310 Z-Wave Water Leak Sensor, covering installation, operation, safety precautions, specifications, and Z-Wave network integration. Learn how to protect your home from water leaks with this smart sensor.