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SwitchBot W5502310

SwitchBot Matte Relay Switch 1PM User Manual

Brand: SwitchBot | Model: W5502310

1. PRODUCT OVERVIEW

The SwitchBot Matte Relay Switch 1PM is a compact, power-measuring relay switch module designed to integrate existing appliances and lighting into your smart home system. It features Wi-Fi and Bluetooth connectivity, an integrated Bluetooth repeater, and compatibility with major smart home platforms like Alexa, Apple Home, and Google Home. This device allows for remote control, scheduling, and energy monitoring of connected devices.



Image: SwitchBot Relay Switch 1PM highlighting its control capabilities, Bluetooth, Wi-Fi, and Matter compatibility.

2. WHAT'S IN THE BOX

- Relay Switch 1PM (x1)
- User Manual (x1)

3. SAFETY INFORMATION AND INSTALLATION GUIDELINES

Your safety is paramount. When installing this device, always adhere to your country's standards for electrical installation.

Before commencing any mounting or installation, ensure that the circuit breakers are turned off and verify there is no voltage on the terminals. Once you confirm the absence of voltage, you may proceed with wiring. Consult the user guide thoroughly before beginning installation.

This video is for demonstration purposes only. It is highly recommended to hire a professional electrical installer for device installation. Wire colors may vary based on regional standards. Always follow local regulations and standards.

Video: Installation guide for the SwitchBot Relay Switch 1PM behind a wall switch, demonstrating wiring steps for AC power supply. This video is for informational purposes; professional installation is recommended.

3.1. Wiring Instructions

1. **Turn off Power:** Locate the circuit breaker for the area where you will install the relay switch and switch off the power. Verify with a voltage tester that the power is off.
2. **Connect Neutral Wire:** Connect the neutral wire (typically blue) to the 'N' terminal on the Relay Switch 1PM.
3. **Connect Live Wire:** Connect the live wire (typically brown or red) to the 'L' terminal on the Relay Switch 1PM.
4. **Connect Load Wire:** Connect the load wire (the wire going to your light fixture or appliance) to the 'O' terminal on the Relay Switch 1PM.
5. **Connect Switch Wires:** Connect the existing wall switch wires to the 'SW' and 'L' terminals on the Relay Switch 1PM. This allows the physical switch to control the relay.
6. **Reinstall Switch Shell:** Carefully place the Relay Switch 1PM into the wall box and reinstall the switch shell.
7. **Restore Power:** Turn the circuit breaker back on.

Make Old Lighting Smart

Keep existing switches, get set up in just 10 minutes.

Note: Neutral wire is required.



Image: Wiring diagram for the SwitchBot Relay Switch 1PM.

SwitchBot

At SwitchBot, we don't just want you to have a smart home, we want you to experience the smart home lifestyle. Through innovative R&D, we drive full-chain growth from production to sales, creating cutting-edge products that set global smart living trends. With a comprehensive IoT software, hardware, cloud service system, and AI, SwitchBot can do it all. So, what are you waiting for? Make it simple with SwitchBot.

Image: Example of the Relay Switch 1PM installed behind an existing wall switch.

4. OPERATING INSTRUCTIONS

4.1. Initial Setup and App Control

1. **Download the SwitchBot App:** Search for "SwitchBot" in your smartphone's app store and download the application.
2. **Add Device:** Open the app, create an account or log in, and follow the on-screen instructions to add the Relay Switch 1PM. Ensure your phone's Bluetooth is enabled during this process.
3. **Connect to Wi-Fi:** During setup, connect the device to your 2.4 GHz Wi-Fi network for remote control and smart home integration.
4. **Control via App:** Once connected, you can use the SwitchBot app to turn the connected appliance or light on/off, set schedules, and monitor energy usage.

Multiple Ways to Use

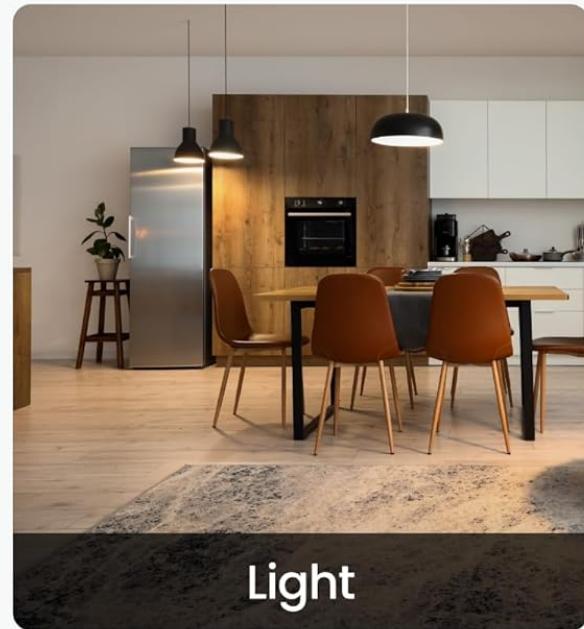


Image: SwitchBot app displaying real-time energy monitoring data.

4.2. Smart Home Integration (Matter Certified)

The Relay Switch 1PM is Matter certified, allowing for broad compatibility with various smart home platforms including Apple Home, Alexa, Google Home, and SmartThings. A compatible smart speaker or hub may be required for full functionality with certain platforms.

- **Apple Home:** Requires connection to the Matter network.
- **Alexa/Google Home/SmartThings:** Requires a compatible speaker or hub for direct control.

Endorsed By Media

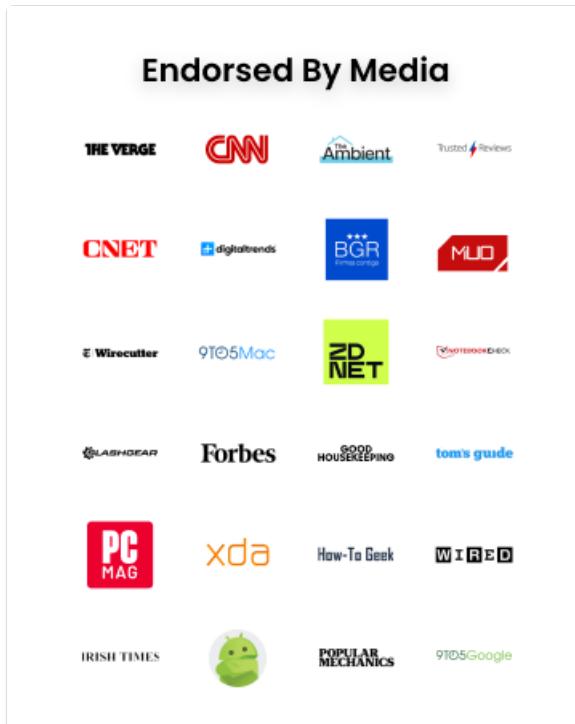


Image: Matter certification and smart home platform compatibility.

4.3. Bluetooth Repeater Function

The Relay Switch 1PM includes an integrated Bluetooth repeater, which supports networking with up to 10 SwitchBot Bluetooth sub-devices. This extends the range and reliability of your SwitchBot ecosystem, allowing you to remotely view and operate these devices and integrate them into automations.

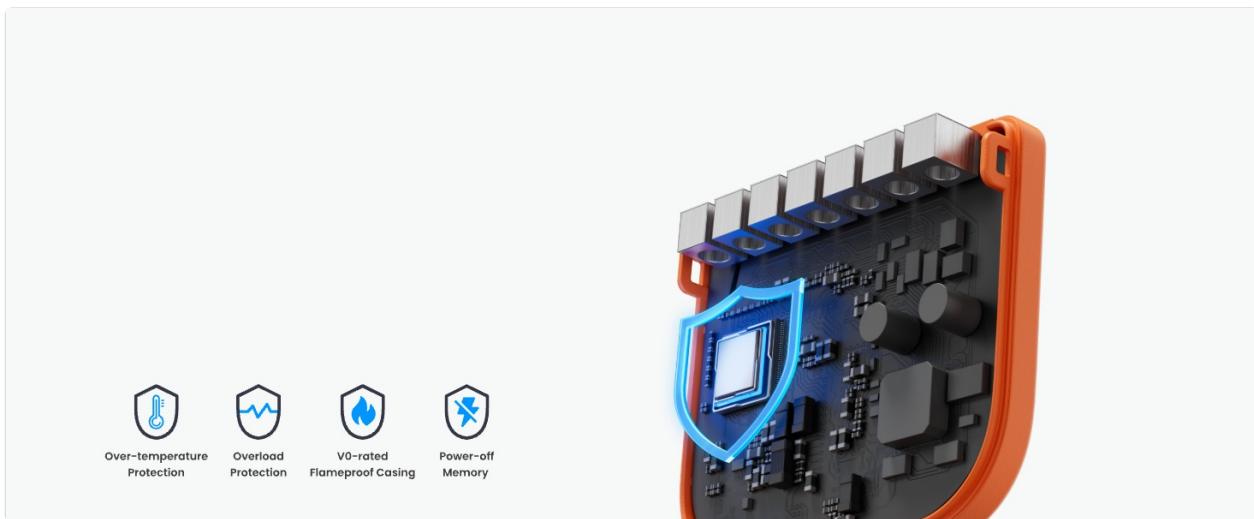


Image: The Relay Switch 1PM functioning as a Bluetooth repeater for other SwitchBot devices.

4.4. Energy Monitoring

The device provides real-time power consumption data and historical charts through the SwitchBot app. This feature helps analyze power usage for the connected channel, contributing to energy management and potential electricity bill savings. One year of free cloud data storage is included.

Automatic Lighting

Pair with Contact and Motion Sensors to automatically turn on lights when doors open or when motion is detected in the middle of the night.



[Get Filters](#)

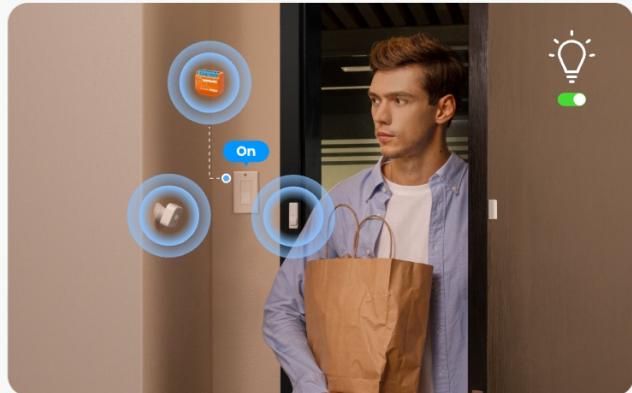


Image: Energy monitoring data displayed on the SwitchBot app and a laptop.

5. MAINTENANCE

- Cleaning:** Use a dry, soft cloth to clean the device. Do not use liquid cleaners or aerosols.
- Firmware Updates:** Regularly check the SwitchBot app for available firmware updates to ensure optimal performance and security.
- Environmental Conditions:** Ensure the device is installed in a dry environment, away from direct sunlight and extreme temperatures, to prolong its lifespan.

6. TROUBLESHOOTING

- Device Not Responding:** Check if the power is on at the circuit breaker. Ensure the device is properly wired. Verify Wi-Fi connectivity in the SwitchBot app.
- Connectivity Issues:** Ensure your Wi-Fi router is operating on a 2.4 GHz band. Move the device closer to the router if possible. Restart the device and your router.
- App Control Delays:** Check your internet connection speed. Ensure the SwitchBot app is updated to the latest version.
- Physical Switch Not Working:** Verify the wiring to the 'SW' and 'L' terminals. Ensure the physical switch itself is functional.
- Matter Integration Problems:** Ensure your Matter controller (e.g., Apple HomePod, Google Nest Hub) is updated and properly configured. Firmware updates for the Relay Switch 1PM are crucial for Matter compatibility.

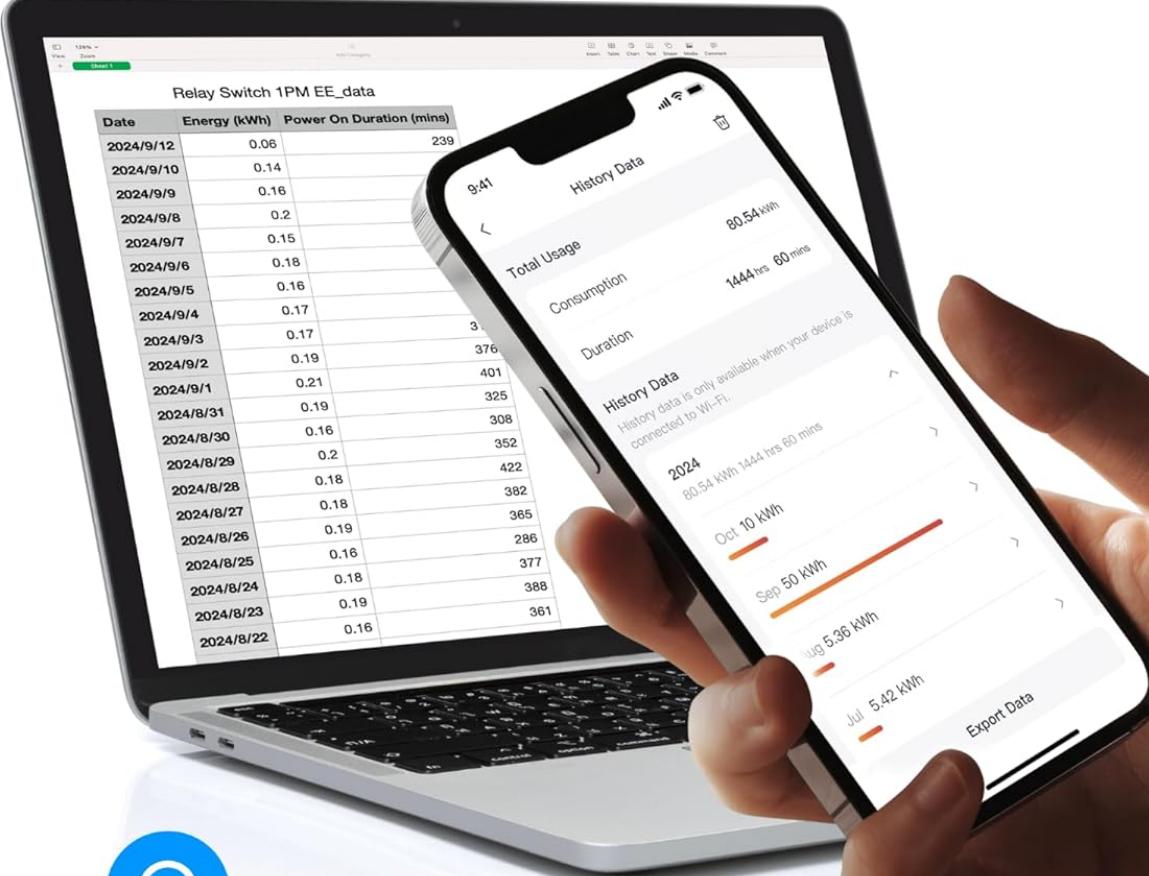
7. SPECIFICATIONS

Feature	Specification
Brand	SwitchBot
Model Number	W5502310
Connector Type	Crimp
Contact Type	Normally Closed
Current Rating	16 Amps
Mounting Type	Plug In Mount
Operation Mode	Automatic
Wattage	288 watts
Specification Met	CE

Smart Home Compatibility	Smart Home Compatible (Alexa, Apple Home, Google Home, SmartThings, Matter)
Product Dimensions	1.42 x 0.63 x 1.65 inches
Item Weight	1.44 ounces
Manufacturer	Wonderlabs
First Available	November 30, 2024

Monitor Energy Use

Helps analyze power usage for each channel and save on electricity bills





1 Year Free Cloud Data Storage

Image: Dimensions of the compact Relay Switch 1PM.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official SwitchBot website or contact SwitchBot customer service directly. Keep your purchase receipt for warranty claims.