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Panasonic FV-WCSW21-W

Panasonic FV-WCSW21-W WhisperControl Two-Function On/Off Switch User Manual

Model: FV-WCSW21-W | Brand: Panasonic

1. Introduction

The Panasonic FV-WCSW21-W WhisperControl Two-Function On/Off Switch is designed to provide independent control for two electrical functions, typically a ventilation fan and a light, from a single-gang wall box. This switch offers a streamlined solution for managing ventilation and lighting in various applications, featuring a clean, decorator-style design.

2. Safety Information

WARNING: Risk of Electric Shock.

- Always turn off power at the circuit breaker or fuse box before installing, servicing, or removing the switch. Failure to do so can result in serious injury or death.
- Installation should be performed by a qualified electrician or in accordance with all local and national electrical codes.
- Ensure all wiring connections are secure and properly insulated.
- Do not exceed the specified electrical ratings of the switch.
- This device is intended for indoor use only.

3. Package Contents

- 1x Panasonic FV-WCSW21-W Two-Function On/Off Switch
- 1x Matching Wall Plate
- 1x Installation Guide (This manual)

4. Specifications

Feature	Specification
Model Number	FV-WCSW21-W
Brand	Panasonic

Feature	Specification
Current Rating	120 Amps
Operating Voltage	120 Volts
Number of Positions	2 (Two-Function)
Switch Type	Rocker / Toggle
Terminal Type	Button / Clamp
Color	White
Dimensions (L x W x H)	3 x 5 x 2 inches
Item Weight	5 ounces
Material	Brass (Internal components)
UPC	885170050341

5. Installation

Before beginning installation, ensure you have the necessary tools, including a screwdriver, wire strippers, and electrical tape. It is recommended to use a deep electrical box to accommodate the wiring for multi-function switches.

1. **Turn Off Power:** Locate the circuit breaker or fuse that controls the power to the switch location. Turn off the power completely before proceeding. Verify power is off using a voltage tester.
2. **Remove Old Switch (if applicable):** Carefully remove the existing wall plate and switch from the electrical box. Disconnect the wires, noting their connections.
3. **Prepare Wiring:** The Panasonic FV-WCSW21-W switch is designed for two functions (e.g., fan and light) and features internally shunted common feeds. You will typically have a hot wire (line), a neutral wire, a ground wire, and two load wires (one for each function).
4. **Connect Wires:** Refer to the diagram below for typical wiring connections. Connect the wires to the corresponding terminals on the new switch.
    - **Line (Hot) Wire:** Connect the incoming hot wire to the designated 'LINE' terminal.
    - **Load Wires:** Connect the load wire for the first function (e.g., fan) to one of the 'LOAD' terminals. Connect the load wire for the second function (e.g., light) to the other 'LOAD' terminal.
    - **Ground Wire:** Connect the bare copper or green insulated ground wire from the electrical box to the green ground screw on the switch.
    - **Neutral Wire:** This switch typically does not require a neutral connection at the switch itself, but ensure the neutral wires in the box are properly capped or connected as per local codes.



Switch is Ideal for Fan/Light Combinations

Image: Rear view of the Panasonic FV-WCSW21-W switch, illustrating the wiring terminals for line, load, and ground connections. This view helps identify where each electrical wire should be connected during installation.

5. **Mount Switch:** Carefully fold the wires into the electrical box, ensuring no wires are pinched. Secure the switch to the electrical box using the provided screws.
6. **Install Wall Plate:** Attach the matching wall plate over the switch and secure it with the provided screws.
7. **Restore Power:** Turn the power back on at the circuit breaker or fuse box.
8. **Test Operation:** Test each function of the switch to ensure proper operation.



Image: Front view of the Panasonic FV-WCSW21-W Two-Function On/Off Switch, shown installed with its matching white wall plate. This image displays the two independent rocker switches for controlling separate functions.

6. Operation

The Panasonic FV-WCSW21-W switch features two independent rocker switches, each controlling a separate electrical function.

- **Function 1 Control:** Press the top or bottom of the upper rocker switch to toggle the connected device (e.g., fan) On or Off.
- **Function 2 Control:** Press the top or bottom of the lower rocker switch to toggle the connected device (e.g., light) On or Off.

Each function operates independently, allowing for flexible control of your connected devices.

7. Maintenance

The Panasonic FV-WCSW21-W switch requires minimal maintenance.

- **Cleaning:** To clean the switch and wall plate, gently wipe with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or internal components.
- **Inspection:** Periodically inspect the switch and wall plate for any signs of damage, loose connections, or discoloration. If any issues are observed, turn off power at the circuit breaker and consult a qualified electrician.

8. Troubleshooting

If you experience issues with your Panasonic FV-WCSW21-W switch, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Switch does not operate (no power to connected device).	No power to the circuit. Loose wiring connection. Faulty switch.	Check the circuit breaker or fuse and reset if tripped. Turn off power, then re-check all wiring connections for tightness. If power is present and wiring is correct, the switch may be faulty and require replacement.
Only one function operates.	Incorrect wiring for the non-operating function. Faulty connected device (fan/light).	Turn off power, then verify the load wire for the non-operating function is correctly connected to its terminal. Test the connected device directly if possible to rule out a device issue.
Switch feels loose in the wall box.	Mounting screws are loose.	Turn off power, then tighten the mounting screws that secure the switch to the electrical box.

If troubleshooting steps do not resolve the issue, consult a qualified electrician.

9. Warranty and Support

For detailed warranty information, product registration, or technical support, please visit the official Panasonic website or contact Panasonic customer service directly. Keep your purchase receipt as proof of purchase.

Panasonic Customer Service: Refer to your product packaging or the Panasonic official website for the most current contact information.

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