

SENSORWORX SWX-852-2

SENSORWORX SWX-852-2-WH Wireless Remote Light Switch Instruction Manual

Model: SWX-852-2-WH

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the SENSORWORX SWX-852-2-WH Wireless Remote Light Switch. This device is designed to provide manual control of wirelessly controlled lighting systems, acting as a companion switch to compatible SENSORWORX wireless load controllers.

The SWX-852-2-WH is a line-powered wall station that simplifies multi-way switching configurations by reducing wiring complexity and installation time. It communicates wirelessly using an encrypted 915 MHz proprietary protocol, offering reliable operation within specified ranges.

SAFETY INFORMATION

WARNING: Risk of Electric Shock. Improper installation can lead to serious injury or death.

- Always turn off power at the circuit breaker or fuse box before installing, servicing, or removing the device.
- Installation must be performed by a qualified electrician in accordance with all national and local electrical codes.
- Do not use this device with loads exceeding its specified ratings.
- Ensure all wire connections are secure and properly insulated.
- This device is intended for indoor use only.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- SENSORWORX SWX-852-2-WH Wall Switch Sensor
- Wire Leads

- Mounting Screws
- Wire Nuts
- Instruction Manual (this document)

SPECIFICATIONS

Feature	Specification
Model	SWX-852-2-WH
Operation Mode	ON-OFF
Current Rating	1 Amps
Operating Voltage	120-277V (Line Powered)
Contact Type	Single Pole Single Throw (SPST)
Connector Type	Crimp
Switch Type	Sensor (Remote)
Terminal	Wire Leads
Material	Plastic (Housing), Silver (Contact)
Dimensions (L x W x H)	1.39 x 1.68 x 2.74 inches
Mounting Type	Surface Mount (in standard wallbox)
Circuit Type	1-way, 3-way, 4-way (with compatible controllers)
Operating Temperature	32°F to 122°F (0°C to 50°C)
Humidity	0-95% Non-Condensing
Wireless Protocol	Encrypted 915 MHz Proprietary
Wireless Range	~80 feet line of sight, ~40 feet through obstructions
Certifications	UL Listed, RoHS Compliant, BAA Compliant, BABA Compliant, TAA Compliant
Item Weight	3.88 Ounces

SETUP AND INSTALLATION

The SENSORWORX SWX-852-2-WH is designed for straightforward installation in a standard single-gang wallbox, requiring less than 1 inch of mounting depth.

1. Wiring

1. **Turn off power:** Before starting, ensure power to the circuit is OFF at the circuit breaker.
2. **Identify wires:** The SWX-852-2-WH is line-powered and requires connection to line (hot) and neutral wires. It does not directly switch the load.

3. **Connect wires:** Use the provided wire nuts to connect the switch's wire leads to the corresponding building wiring (Line, Neutral). Consult local electrical codes for proper wiring practices.
4. **Mount the switch:** Carefully place the switch into the wallbox, ensuring wires are not pinched. Secure the switch to the wallbox using the provided mounting screws.
5. **Install wallplate:** Attach a standard decorative wallplate (not included) over the switch.
6. **Restore power:** Turn power back ON at the circuit breaker.



Image: SENSORWORX SWX-852-2-WH Wireless Remote Light Switch. This image shows the front view of the white wall switch, illustrating its compact design for easy installation.

2. Pairing with Wireless Controller

The SWX-852-2-WH must be paired with a compatible SENSORWORX wireless load controller (e.g., SWX-950 series power pack, SWX-851 wireless wall switch, or SWX-874-ELV dimmer) to function. The pairing process is quick and typically takes approximately 3 seconds per device.

1. **Ensure power is on** for both the SWX-852-2-WH and the target wireless load controller.
2. **Initiate pairing mode** on the wireless load controller according to its specific instructions. This usually involves pressing and holding a button on the controller.
3. **Activate pairing on SWX-852-2-WH:** Press and hold the designated button on the SWX-852-2-WH (refer to the specific button layout on your device) until an indicator light confirms pairing mode.
4. **Confirm pairing:** Both devices should provide visual feedback (e.g., LED flashes) to indicate successful pairing. Refer to the controller's manual for specific confirmation signals.

For multi-way switching, additional SWX-852-2-WH units can be paired to the same wireless load controller.

OPERATING INSTRUCTIONS

Once installed and paired, the SWX-852-2-WH operates as a remote control for the linked SENSORWORX wireless load controller.

- **ON/OFF Control:** Press the top button to turn the connected lights ON. Press the bottom button to turn the connected lights OFF.
- **Dimming Control (if paired with a dimmer):** If paired with a compatible SENSORWORX wireless dimmer (e.g., SWX-874-ELV), the buttons may also provide dimming functionality. Typically, holding the ON button will brighten lights, and holding the OFF button will dim lights. Refer to the dimmer's manual for specific dimming operations.
- **Multi-Way Control:** In multi-way setups, any paired SWX-852-2-WH switch can control the same lighting load.

MAINTENANCE

The SENSORWORX SWX-852-2-WH is designed for long-term, maintenance-free operation. Follow these guidelines for optimal performance:

- **Cleaning:** To clean the surface of the switch, use a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.
- **No User Serviceable Parts:** There are no user-serviceable parts inside the switch. Do not attempt to open or repair the device.
- **Environmental Conditions:** Ensure the operating environment remains within the specified temperature and humidity ranges to prevent damage.

TROUBLESHOOTING

If you experience issues with your SENSORWORX SWX-852-2-WH, consult the following troubleshooting guide:

Problem	Possible Cause	Solution
Switch does not respond to presses.	No power to the switch. Not properly paired with a controller. Controller is out of range or powered off.	Verify power at the circuit breaker and wiring connections. Re-attempt the pairing process with the wireless load controller. Ensure the wireless load controller is powered on and within range (~40 feet through obstructions).
Lights do not turn ON/OFF or dim correctly.	Incorrect pairing. Incompatible controller. Interference.	Confirm successful pairing with the correct SENSORWORX wireless load controller. Ensure the controller is compatible with the SWX-852-2-WH and supports the desired functionality (e.g., dimming). Minimize sources of wireless interference (e.g., large metal objects, other 900 MHz devices).

Problem	Possible Cause	Solution
Intermittent operation.	Weak wireless signal. Environmental factors.	Relocate the wireless load controller or the SWX-852-2-WH to improve signal strength. Ensure no new obstructions have been introduced. Check for extreme temperatures or humidity outside of specified operating conditions.

If troubleshooting steps do not resolve the issue, please contact SENSORWORX customer support.

WARRANTY AND SUPPORT

The SENSORWORX SWX-852-2-WH Wireless Remote Light Switch comes with a **5-year warranty** from the date of purchase, covering defects in materials and workmanship under normal use. This warranty is valid only for products purchased from authorized SENSORWORX distributors.

For technical support, warranty claims, or further assistance, please visit the official SENSORWORX website or contact their customer service department. Please have your product model number (SWX-852-2-WH) and proof of purchase available when contacting support.

SENSORWORX products are proudly Made in the USA and comply with UL, RoHS, BAA, BABA, and TAA standards, ensuring high quality and reliability.