

Eaton 7503W-BOX

Eaton 7503W-BOX 3-Way Decorator Switch Instruction Manual

1. PRODUCT OVERVIEW

The Eaton 7503W-BOX is a 15-Amp, 120-Volt Standard Grade 3-Way Decorator Switch designed for residential and commercial applications. This switch allows control of a single lighting fixture or load from three different locations. Its design features a durable thermoplastic rocker and an integrated strap and body construction for enhanced integrity and quiet operation.

Key Features:

- **3-Way Wiring:** Enables control of one light from three distinct locations.
- **Durable Construction:** Thermoplastic rocker and integrated strap and body ensure longevity and resistance to breakage.
- **Quiet Operation:** Redesigned paddle for smoother and quieter actuation.
- **Easy Installation:** Back wire clamps on side terminals accommodate 12-gauge and 14-gauge wire.
- **Versatile Rating:** Rated for 120/277V/AC, suitable for fluorescent lighting fixtures in commercial settings.
- **Illuminated Off Position:** The switch glows when in the off position for easy visibility in the dark.



Figure 1: Front view of the Eaton 7503W-BOX 3-Way Decorator Switch.

2. SAFETY INFORMATION

WARNING: To avoid fire, shock, or death, turn off power at the circuit breaker or fuse box and test that power is off before wiring. All wiring must be in accordance with national and local electrical codes.

- Always disconnect power at the circuit breaker before installation or servicing.
- Use only with copper or copper-clad wire. Do not use with aluminum wire.
- Ensure all wire connections are secure and properly insulated.
- If you are unsure about any part of these instructions, consult a qualified electrician.

3. PACKAGE CONTENTS

- 1 x Eaton 7503W-BOX 15-Amp, 120-Volt Standard Grade 3-Way Decorator Switch
- Mounting Screws

Note: Wallplate is sold separately.

4. INSTALLATION

This section provides general guidelines for installing your 3-way decorator switch. For specific wiring diagrams, refer to local electrical codes or consult a professional electrician.

Tools Required:

- Screwdriver (Phillips and Flathead)
- Wire Strippers
- Voltage Tester

Installation Steps:

1. **Turn Off Power:** Locate the circuit breaker or fuse box that controls the switch you are replacing or the circuit where you are installing the new switch. Turn off the power completely. Verify power is off using a voltage tester.
2. **Remove Old Switch (if applicable):** Carefully remove the wallplate and unscrew the old switch from the electrical box. Disconnect the wires, noting their positions and functions (e.g., common, traveler 1, traveler 2, ground).
3. **Identify Wires:** For a 3-way switch, you will typically have:
 - One common wire (usually black, connected to a darker screw terminal).
 - Two traveler wires (often black or red, connected to lighter screw terminals).
 - One ground wire (bare copper or green, connected to the green screw terminal).
4. **Prepare Wires:** Strip approximately 1/2 inch of insulation from each wire end if necessary.
5. **Connect New Switch:** Connect the wires to the new Eaton 7503W-BOX switch using the back wire clamps or screw terminals. Ensure the common wire is connected to the common terminal (often a darker or distinct color screw), the traveler wires to the traveler terminals, and the ground wire to the green ground screw. The back wire clamps are designed for easy installation of 12-gauge and 14-gauge wire.



Figure 2: Back view of the switch, illustrating wiring terminals.

6. **Mount Switch:** Gently fold the wires into the electrical box and secure the switch to the box using the provided mounting screws. The long, broad mounting strap helps eliminate floating installations.
7. **Install Wallplate:** Attach the decorator wallplate (sold separately) over the switch.
8. **Restore Power:** Turn the power back on at the circuit breaker.
9. **Test Operation:** Test the switch from all three control locations to ensure proper functionality.

5. OPERATION

The Eaton 7503W-BOX 3-Way Decorator Switch operates like a standard light switch. Press the top of the rocker to turn the connected light or device ON, and press the bottom of the rocker to turn it OFF. When the switch is in the OFF position, it will emit a soft glow, making it easy to locate in the dark.

6. MAINTENANCE

The Eaton 7503W-BOX switch requires minimal maintenance. To clean the switch, ensure power is turned off at the circuit breaker. Use a soft, damp cloth to wipe the surface. Do not use abrasive cleaners or solvents, as these can damage the finish.

7. TROUBLESHOOTING

- **Light does not turn ON/OFF:**
 - Check if the circuit breaker is ON.
 - Verify all wire connections are secure and correct, especially the common and traveler wires for 3-way functionality.
 - Ensure the light bulb is not burnt out.
- **Switch feels loose in the wall:**
 - Ensure the mounting screws are tightened securely to the electrical box.
- **Switch does not glow in the OFF position:**
 - This feature may require a small amount of current to flow through the load even when off. Ensure the load is compatible. If the feature is not critical, the switch will still function correctly.

If problems persist, consult a qualified electrician.

8. SPECIFICATIONS

Specification	Value
Model Number	7503W-BOX
Brand	Eaton
Current Rating	15 Amps
Operating Voltage	120 Volts
Circuit Type	3-Way
Actuator Type	Rocker
Material	Plastic
Color	White
Item Dimensions (L x W x H)	1.63 x 1.44 x 4.25 inches
Item Weight	2.39 ounces
Wattage	1800 watts
Terminal	Push-in

9. WARRANTY AND SUPPORT

The Eaton 7503W-BOX 3-Way Decorator Switch comes with a **5-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For technical support, warranty claims, or further assistance, please contact Eaton customer service. Refer to the official Eaton website for the most current contact information.

