

ARLINGTON FS8171

Arlington FS8171 Weatherproof Flanged Outlet Switch Box Instruction Manual

Model: FS8171 | Brand: ARLINGTON

1. INTRODUCTION

This manual provides instructions for the proper installation and maintenance of the Arlington FS8171 Weatherproof Flanged Outlet Switch Box. This product is specifically designed for use with Dutch lap siding, offering a secure and weatherproof enclosure for electrical outlets or switches on exterior walls.

Key Features:

- Designed for deep devices, such as GFCIs.
- Textured and paintable surface for aesthetic integration.
- UL listed, ensuring professional quality and safety standards.
- UV rated plastic construction for extended outdoor life and weather resistance.
- Made in USA.

2. SAFETY INFORMATION

WARNING: Risk of electric shock. Always turn off power at the circuit breaker or fuse box before installing or servicing any electrical components. Failure to do so may result in serious injury or death.

- Installation should be performed by a qualified electrician or a knowledgeable individual familiar with electrical wiring practices and local electrical codes.
- Ensure all connections are secure and properly insulated.
- Do not exceed the electrical ratings of the box or the devices installed within it.
- Verify that the product is suitable for the intended application and environmental conditions.

3. PACKAGE CONTENTS

The package should contain one (1) Arlington FS8171 Weatherproof Flanged Outlet Switch Box. Inspect the box

for any damage before installation.

4. SPECIFICATIONS

Model Number:	FS8171
Material:	Plastic
Color:	White
Style:	Dutch Lap Siding
Installation Type:	Screw-In
Dimensions (L x W x H):	5.09 x 3.31 x 2.05 inches (approximate)
Item Weight:	5.9 ounces
Certifications:	UL Listed
UV Rated:	Yes

5. SETUP AND INSTALLATION

Follow these steps for proper installation of the outlet box on Dutch lap siding:

1. Prepare the Installation Area:

Turn off power to the circuit at the main electrical panel. Identify the desired location for the outlet box on your Dutch lap siding. Ensure there is sufficient space and access for wiring.

2. Cut Opening in Siding:

Carefully mark and cut an opening in the siding that matches the dimensions of the back of the FS8171 box. The box is designed to integrate seamlessly with Dutch lap siding profiles.

3. Route Wiring:

Pull the necessary electrical wires through the opening in the siding and into the back of the outlet box. Ensure adequate wire length for making connections.

4. Mount the Box:

Position the FS8171 box into the cut opening, ensuring the flanges sit flush against the siding. Secure the box to the wall studs or sheathing using appropriate screws through the designated mounting holes. The design allows for a snug fit with Dutch lap siding.

5. Install Electrical Device:

Connect the electrical wires to your chosen device (e.g., GFCI outlet, switch) according to the device manufacturer's instructions and local electrical codes. The deep design of the FS8171 box provides ample room for wiring and devices.



Figure 1: Inserting an electrical outlet into the mounted FS8171 box.

6. Secure Device and Cover:

Carefully push the wired device into the box and secure it with the provided screws. Install a weatherproof cover plate (sold separately) over the device and the box opening to complete the weatherproof seal. Ensure the cover plate forms a tight seal against the box's flange.



Figure 2: Electrical outlet fully installed within the FS8171 box.

7. Restore Power:

Once installation is complete and all connections are secure, restore power at the circuit breaker. Test the installed device for proper operation.

6. OPERATING INSTRUCTIONS

The Arlington FS8171 is a passive component designed to house electrical devices. Its primary function is to provide a weatherproof enclosure. Operation involves the normal use of the electrical device installed within it (e.g., plugging into an outlet, flipping a switch). Ensure that any weatherproof cover plate is properly closed when the outlet is not in use to maintain its weatherproof integrity.

7. MAINTENANCE

- **Regular Inspection:** Periodically inspect the box and its cover for any signs of damage, cracks, or deterioration, especially after severe weather conditions.
- **Cleaning:** Clean the exterior of the box with a mild soap and water solution. Avoid abrasive cleaners that could damage the UV-rated plastic surface.
- **Seal Integrity:** Ensure that the weatherproof cover plate (if installed) maintains a tight seal against the box to prevent water ingress. Replace any damaged gaskets or covers immediately.
- **Paintable Surface:** If the box has been painted, ensure the paint is in good condition to protect the surface.

8. TROUBLESHOOTING

- **Box does not sit flush with siding:**

Verify that the opening in the siding is cut precisely to match the box's profile for Dutch lap siding. Ensure no obstructions behind the box prevent it from seating correctly. If gaps remain, apply a high-quality exterior caulk around the perimeter of the box to ensure a weatherproof seal.

- **Water ingress:**

Ensure that a proper weatherproof cover plate is installed and securely fastened. Check for cracks or damage to the box or cover. Verify that all mounting screws are tight and that any necessary caulk seals are intact.

- **Device does not fit:**

The FS8171 is designed for deep devices like GFCIs. If a device does not fit, check its dimensions against the box's internal capacity. Ensure wiring is neatly tucked away to maximize space.

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding the Arlington FS8171 Weatherproof Flanged Outlet Switch Box, please contact Arlington Industries Inc. directly through their official website or customer service channels. Keep your purchase receipt as proof of purchase.

10. DISPOSAL

This product is made of plastic. Please dispose of it responsibly according to local recycling guidelines for plastic materials at the end of its service life.