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Fafeicy Fafeicy06oafg9rmw

Fafeicy Electrical Box Insulated Outdoor Junction Box User Manual

Model: Fafeicy06oafg9rmw

1. Introduction

This manual provides essential instructions for the safe and effective use, installation, and maintenance of your Fafeicy Electrical Box Insulated Outdoor Junction Box. Please read this manual thoroughly before use and retain it for future reference.
The Fafeicy Electrical Box is designed to protect electrical connections in outdoor and harsh environments, offering robust insulation and an IP67 waterproof rating.

2. Product Overview

The Fafeicy Electrical Box is a durable enclosure for various electrical applications. Key features include:

- **IP67 Rating:** Provides waterproof and dustproof protection for electrical equipment.
- **Durable ABS Material:** Constructed from premium ABS material, offering excellent impact resistance and electrical insulation for equipment protection in harsh environments.
- **Secure Plastic Clips:** Features plastic clips for a watertight seal, designed for easy opening and closing.
- **Customization:** The box material allows for easy drilling and modification without cracking, suitable for various DIY electrical projects.
- **Versatile Applications:** Ideal for outdoor electrical installations such as lawn and garden lighting, fountains, power tools, and other DIY electronic projects.



Figure 2.1: Fafeicy Electrical Box with its hinged lid open, revealing the internal mounting grid and the protective rubber seal along the lid's edge. This view highlights the spacious interior for electrical components and the robust sealing mechanism.



Figure 2.2: The Fafeicy Electrical Box shown with its lid securely closed, viewed from an angle. This image demonstrates the compact and sealed design, ready for outdoor installation.

3. Setup and Installation

Before installation, ensure all power sources are disconnected to prevent electrical shock. This electrical box is designed for screw-in installation.

1. **Select Location:** Choose a suitable outdoor location that provides adequate protection and accessibility for your electrical components.
2. **Mark Mounting Points:** Open the box and use the pre-drilled mounting points on the back panel as a template to mark screw locations on your mounting surface.
3. **Drill Holes:** Drill appropriate pilot holes for your mounting screws.
4. **Mount the Box:** Secure the electrical box to the surface using suitable screws. Ensure it is firmly attached.
5. **Cable Entry:** If necessary, carefully drill holes for cable entry. The ABS material allows for easy modification. Ensure

proper cable glands or seals are used to maintain the IP67 rating.

6. **Internal Wiring:** Route your electrical wires into the box. Use the internal grid for mounting terminal blocks, circuit boards, or other components as needed.
7. **Close and Secure:** Ensure all wiring is correctly terminated and insulated. Close the hinged lid and secure it with the plastic clips to ensure a watertight seal.



Figure 3.1: An overhead view of the Fafeicy Electrical Box with its lid fully open, showcasing the internal grid pattern designed for component mounting and the four corner screw points for securing the box to a surface.

4. Operating Instructions

The Fafeicy Electrical Box is a passive enclosure designed to protect electrical components. Its operation primarily involves ensuring it remains securely closed and sealed.

- Once electrical components are installed and wired, ensure the lid is closed and all plastic clips are firmly engaged.
- Periodically inspect the clips and the rubber seal for any signs of wear or damage that could compromise the

waterproof integrity.

- Avoid placing excessive weight or pressure on the box, especially on the lid, to prevent damage to the sealing mechanism.

5. Maintenance

Regular maintenance ensures the longevity and protective capabilities of your electrical box.

- **Cleaning:** Clean the exterior of the box with a damp cloth. Avoid abrasive cleaners or solvents that could damage the ABS material.
- **Seal Inspection:** Annually, or more frequently in harsh conditions, inspect the rubber seal around the lid for cracks, deformation, or debris. Clean the seal if necessary.
- **Clip Check:** Verify that the plastic clips engage properly and hold the lid securely. Replace the box if clips are broken or no longer provide a tight seal.
- **Cable Gland Integrity:** If cable glands are used, ensure they remain tight and free from damage to maintain the IP67 rating.

6. Troubleshooting

Problem	Possible Cause	Solution
Water ingress inside the box.	Damaged or improperly seated rubber seal; loose or broken clips; improperly sealed cable entry points.	Inspect and clean the rubber seal, ensure it is seated correctly. Check that clips are fully engaged. Verify all cable entry points are properly sealed with appropriate glands. Replace the box if the seal or clips are permanently damaged.
Lid does not close securely.	Obstruction; damaged hinges or clips.	Check for any foreign objects preventing the lid from closing. Inspect hinges and clips for damage. If damaged, the box may need replacement to maintain its protective rating.
Cracks or damage to the box exterior.	Physical impact; exposure to extreme temperatures or chemicals not compatible with ABS.	If the structural integrity is compromised, especially regarding the IP67 rating, the box should be replaced immediately to ensure continued protection of internal components.

7. Specifications

Feature	Detail
Item Type	Waterproof Electrical Box
Brand	Fafeicy
Model	Fafeicy06oafg9rmw
Material	ABS Plastic
Product Size (Approx.)	150 x 100 x 70mm / 5.91 x 3.94 x 2.76in
Waterproof Grade	IP67

Feature	Detail
Installation Type	Screw-In



Figure 7.1: Dimensional diagram of the Fafeicy Electrical Box, indicating its length (150mm / 5.91in), width (100mm / 3.94in), and height (70mm / 2.76in).

8. Support

For any questions, concerns, or technical assistance regarding your Fafeicy Electrical Box, please contact our customer support. Our team is dedicated to providing prompt and helpful solutions.

You can find more information and contact details on the official Fafeicy brand store:

Fafeicy Official Store

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