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treewell TOEB02A

treewell Outdoor Electrical Outlet Box

Dual 20 AMP WRTR GFCI Outlets - Model TOEB02A

INTRODUCTION

This manual provides essential information for the safe installation, operation, and maintenance of your treewell Outdoor Electrical Outlet Box. Please read these instructions thoroughly before installation and retain them for future reference. This product is designed to provide safe and reliable outdoor power with its robust construction and integrated GFCI protection.



Image: treewell Outdoor Electrical Outlet Box, front view with cover open, showing dual GFCI outlets.

SAFETY INFORMATION

WARNING: Electrical shock hazard. Improper installation or use can result in serious injury or death. Always consult a qualified electrician for installation if you are unsure.

- Disconnect power at the circuit breaker or fuse box before installation or servicing.
- Ensure all wiring connections are secure and comply with local electrical codes.
- Do not exceed the maximum electrical ratings of 20 AMP, 125V AC.
- This product is designed for outdoor use and features a NEMA 3R enclosure for protection against rain, sleet, and external ice formation.
- The integrated GFCI (Ground Fault Circuit Interrupter) outlets provide protection against ground faults. Test GFCI outlets monthly.
- Tamper-Resistant (TR) shutters prevent accidental insertion of foreign objects into the receptacles.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x Rugged Steel Box (NEMA 3R Enclosure)
- 2 x 20 AMP WRTR GFCI Receptacles (pre-installed)
- 1 x Gasket
- 1 x Metal Cover
- Installation Hardware (screws, wire nuts, etc. - specific items may vary)



Image: Exploded view showing the rugged steel box, two 20 AMP GFCI outlets, gasket, and metal cover.

FEATURES

- **All-Steel Construction:** Crafted from high-grade galvanized steel with a premium powder coat finish for maximum weatherability, anti-rust, corrosion-resistant, and scratch-resistant durability.

- **Dual 20 AMP WRTR GFCI Outlets:** UL-Listed GFCI receptacles continuously protect against ground faults. Weather-Resistant (WR) for humid/outdoor environments and Tamper-Resistant (TR) with built-in safety shutters.
- **NEMA 3R Enclosure:** Provides protection against falling rain, sleet, and external ice formation, ensuring reliable outdoor performance.
- **Easy Installation:** Features 7 easy-to-remove knockouts for flexible wiring access (back, bottom, or sides) and ample internal space for connections.
- **Added Security:** ETL listed for safety and performance. Includes a lockable tab to secure the cover, preventing accidental access.

TR (Tamper-Resistant)
Built-in safety shutters, protect children from electrical shock, injury

WR (Weather-Resistant)
Designed for wet and damp locations

20AMP GFCI Safety Outlet

Image: Illustrates the Tamper-Resistant (TR) feature with a child near an outlet and the Weather-Resistant (WR) feature with a sprinkler.

All Weather Resistant

Suitable for use in harsh outdoor environments



Rainproof



Stormproof



Snowproof



Sunproof



Image: Shows the outdoor electrical box enduring various weather conditions, highlighting its rainproof, stormproof, snowproof, and sunproof capabilities.

SPECIFICATIONS

Attribute	Detail
Model Number	TOEB02A
Material	Alloy Steel
Color	Grey
Style	EXTRA DUTY
Product Dimensions (D x W x H)	3.6" x 5.5" x 7.1"
Finish Type	Powder Coated

Attribute	Detail
Installation Type	Screw-In
Certification	ETL Listed
Item Weight	4.44 pounds
Outlet Type	Dual 20 AMP WRTR GFCI
Enclosure Rating	NEMA 3R

INSTALLATION INSTRUCTIONS

Important: All electrical work should be performed by a qualified electrician or in accordance with local electrical codes. Ensure power is OFF at the main breaker before starting.

- 1. Prepare Mounting Location:** Choose a suitable outdoor location for the outlet box. Ensure the surface is flat and stable.
- 2. Disconnect Power:** Turn off the power to the circuit at the main service panel. Verify power is off using a voltage tester.
- 3. Mount the Box:** Secure the steel box to the mounting surface using appropriate screws and anchors (not included, unless specified in package contents). The box features mounting holes for easy attachment.
- 4. Select Knockouts:** Identify the desired knockout locations for wiring entry (bottom, back, or sides). Use a knockout punch or screwdriver and hammer to remove the chosen knockouts. The box has various sizes from 1/2" to 1-1/4".
- 5. Run Wiring:** Feed the electrical wires through the selected knockout(s) into the box. Use appropriate weatherproof conduit fittings (not included) to maintain the NEMA 3R rating.
- 6. Wire the GFCI Outlets:**
 - Connect the incoming **LINE** wires (hot, neutral, ground) to the designated **LINE** terminals on the GFCI receptacles. The GFCI outlets are pre-installed and pre-wired for ground.
 - If extending power to another outlet, connect the outgoing **LOAD** wires to the designated **LOAD** terminals. Ensure correct polarity.
 - Connect the ground wire to the green grounding screw in the box and to the GFCI outlets.
 - Ensure all connections are tight and secure.
- 7. Secure Gasket and Cover:** Place the gasket over the outlets and then attach the metal cover, ensuring a tight seal to maintain weather resistance.
- 8. Restore Power and Test:** Turn the power back on at the main service panel. Press the "RESET" button on each GFCI outlet, then press the "TEST" button. The GFCI should trip, cutting power. Press "RESET" again to restore power. If it does not trip, consult a qualified electrician.

Easy to Install

7 easy-removable knock-outs on the bottom, back, and sides



Image: Detailed view of the outlet box highlighting the 7 easy-to-remove knockouts on the bottom, back, and sides, along with product dimensions for installation planning.

Outdoor Electrical Outlet Box

- NEMA 3R Enclosure with pre-installed 20 AMP GFCI
- Safe and substantial outdoor power supply



Image: An installed treewell outdoor electrical outlet box on a wooden post, demonstrating its outdoor application.

OPERATION

Once properly installed and tested, your treewell Outdoor Electrical Outlet Box is ready for use.

- **Using the Outlets:** Open the metal cover and plug in your outdoor electrical devices. Ensure the cover can be closed or secured while devices are plugged in, if applicable, to maintain weather protection.
- **GFCI Test/Reset:**
 - To test: Press the "TEST" button. The GFCI should trip, and power to the outlets will be cut.
 - To reset: Press the "RESET" button. Power should be restored. If power does not restore, check the circuit breaker or consult a qualified electrician.
 - Perform this test monthly to ensure proper GFCI function.
- **Lockable Tab:** For added security and to prevent unauthorized access, a padlock (not included) can be used with the lockable tab on the cover.

All-in-One Kit for Outdoor Power Solution



Outdoor Lighting



Outdoor Tools



Outdoor Activities



Outdoor Power

Image: Illustrates various outdoor applications such as lighting, tools, activities, and general outdoor power use.

MAINTENANCE

- **Regular Inspection:** Periodically inspect the outlet box for any signs of damage, corrosion, or wear. Check the integrity of the cover and gasket.
- **Cleaning:** Clean the exterior of the box with a damp cloth. Do not use abrasive cleaners or solvents. Ensure the power is off before cleaning.
- **GFCI Testing:** Test the GFCI outlets monthly as described in the "Operation" section to ensure they are functioning correctly.
- **Winterization:** While designed for all-weather use, ensure the cover is properly closed and secured during harsh winter conditions to prevent ice buildup inside the box.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power to outlets.	GFCI tripped, circuit breaker tripped, loose wiring.	Press "RESET" on GFCI. Check and reset circuit breaker. Verify all wiring connections are secure (power off).
GFCI trips frequently.	Ground fault detected, overloaded circuit, faulty appliance.	Unplug all devices and reset GFCI. Plug in devices one by one to identify faulty appliance. Reduce load on circuit. If problem persists, consult an electrician.
Water inside the box.	Improperly sealed cover/gasket, damaged enclosure, incorrect conduit fittings.	Ensure cover is fully closed and gasket is properly seated. Inspect enclosure for damage. Verify weatherproof conduit fittings are correctly installed.
GFCI "TEST" button does not trip.	Faulty GFCI unit.	Replace the GFCI receptacle. Consult a qualified electrician.

WARRANTY AND SUPPORT

treewell products are designed for quality and durability. For warranty information, technical support, or assistance with your Outdoor Electrical Outlet Box, please refer to the contact information provided with your purchase or visit the official treewell website.

Always ensure to have your model number (TOEB02A) and purchase date available when contacting support.