

Universal Security Instruments G1315TRWH-MR

Universal Security Instruments G1315TRWH-MR GFCI Outlet User Manual

Model: G1315TRWH-MR

1. INTRODUCTION

This manual provides detailed instructions for the safe installation, operation, and maintenance of your Universal Security Instruments G1315TRWH-MR GFCI Outlet. This 15 Amp GFCI outlet is designed to protect against electrical shock due to ground faults, featuring automatic self-testing and tamper-resistant receptacles. Please read all instructions carefully before beginning installation or use.

2. IMPORTANT SAFETY INFORMATION

WARNING: RISK OF ELECTRIC SHOCK OR FIRE. IMPROPER INSTALLATION CAN LEAD TO SERIOUS INJURY OR DEATH.

- Installation must be performed by a qualified electrician or a knowledgeable person in accordance with all national and local electrical codes.
- Always turn off power at the circuit breaker or fuse box before installing or servicing the GFCI outlet.
- Use only copper wire. Do not use with aluminum wiring.
- Do not install in circuits that supply life support equipment.
- Do not install in circuits that supply critical equipment where an unexpected power interruption would be unacceptable.
- Ensure the GFCI is properly grounded.
- This device is for indoor use only.

3. COMPONENTS INCLUDED

Your package should contain the following items:

- Universal Security Instruments G1315TRWH-MR GFCI Receptacle
- Color-Matched Midi-Size Faceplate
- Mounting Screws
- Installation Instructions (English and French)



Figure 3.1: Contents of the G1315TRWH-MR GFCI Outlet package, including the GFCI receptacle, matching faceplate, and instruction manual.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your GFCI outlet:

1. **Turn Off Power:** Locate the circuit breaker or fuse that controls the outlet you are replacing or installing. Turn off the power completely. Verify power is off using a voltage tester.
2. **Remove Old Outlet (if applicable):** Unscrew and carefully pull the old outlet from the wall box. Disconnect the wires, noting which wires were connected to the LINE terminals and which to the LOAD terminals (if present).
3. **Identify Wires:**
 - **LINE Wires:** These wires bring power from the circuit breaker to the GFCI. Typically, these are the wires entering the electrical box first.
 - **LOAD Wires:** These wires carry power from the GFCI to downstream outlets or devices, providing GFCI protection to them. If there are no downstream outlets to protect, the LOAD terminals will not be used.
 - **Ground Wire:** Bare copper or green insulated wire.



Figure 4.1: Rear view of the GFCI outlet, indicating the LINE and LOAD wiring terminals. The LINE terminals receive power from the circuit, while LOAD terminals provide protection to downstream outlets.

4. Connect Wires:

- Strip approximately 1/2 inch of insulation from each wire.
- Connect the LINE (hot) wire to the brass LINE terminal and the LINE (neutral) wire to the silver LINE terminal. Ensure a secure connection.
- If protecting downstream outlets, connect the LOAD (hot) wire to the brass LOAD terminal and the LOAD (neutral) wire to the silver LOAD terminal. **Do not connect LINE and LOAD wires to the same set of terminals.**
- Connect the ground wire to the green ground screw.

The Tri-Drive wiring screws are backed out and staked for easier installation.

5. **Mount the GFCI:** Carefully push the wired GFCI outlet back into the wall box. Secure it with the provided mounting screws.
6. **Install Faceplate:** Attach the color-matched midi-size wallplate using the captive screws.
7. **Restore Power:** Turn the power back on at the circuit breaker or fuse box.
8. **Test the GFCI:** Perform the initial test as described in the Operating Instructions section.



Figure 4.2: The GFCI outlet ready for installation, showing the test and reset buttons and the metal mounting frame.



Figure 4.3: The GFCI outlet fully installed with its matching white faceplate.

5. OPERATING INSTRUCTIONS

Your GFCI outlet is designed for continuous ground fault protection and features automatic self-testing.

5.1. Test and Reset Buttons

- **TEST Button:** Press this button to simulate a ground fault and trip the GFCI. The power to the receptacles will be cut off.
- **RESET Button:** After the GFCI has tripped (either manually or due to a fault), press this button to restore

power.

5.2. Indicator Lights (LEDs)

The device features LEDs to indicate its status:

- **Green LED:** Indicates that power is present and the GFCI is functioning correctly.
- **Orange LED:** Indicates that the device has reached its end-of-life and should be replaced.
- **Red Flashing LED:** Indicates that device protection has been lost. The GFCI should be replaced immediately.

6. MAINTENANCE

Your GFCI outlet performs automatic self-testing. However, it is recommended to perform a manual test monthly to ensure proper operation.

6.1. Monthly Manual Test

1. Plug a lamp or other device into the GFCI outlet and turn it on.
2. Press the "TEST" button on the GFCI. The lamp should turn off, and the GFCI's internal mechanism should trip, cutting power to the receptacles.
3. Press the "RESET" button. The lamp should turn back on, indicating power has been restored.
4. If the GFCI does not trip or reset properly, it may be faulty and should be replaced.

6.2. Cleaning

To clean the GFCI outlet and faceplate, wipe with a soft, damp cloth. Do not use abrasive cleaners or solvents.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
GFCI will not reset.	No power to the GFCI, wiring error, or internal fault.	Ensure power is on at the circuit breaker. Check wiring connections (LINE/LOAD). If power is present and wiring is correct, the GFCI may be faulty and needs replacement.
GFCI trips frequently.	Ground fault in connected appliance or wiring, or overloaded circuit.	Unplug all devices from the GFCI and any downstream outlets. Reset the GFCI. If it holds, plug devices back in one by one to identify the faulty device. If it still trips with nothing connected, there may be a wiring fault or the GFCI is faulty.
Orange LED is illuminated.	GFCI has reached its end-of-life.	Replace the GFCI outlet immediately.

Problem	Possible Cause	Solution
Red Flashing LED is illuminated.	GFCI protection has been lost.	Replace the GFCI outlet immediately.
No power to downstream outlets.	GFCI tripped, or LOAD wires are incorrectly connected.	Press the RESET button. Verify that the LOAD wires are correctly connected to the GFCI's LOAD terminals.

8. SPECIFICATIONS

Feature	Detail
Model Number	G1315TRWH-MR
Amperage	15 Amps
Voltage	125 Volts
Color	White
Material	Copper
Product Dimensions	1.69 x 1.54 x 4.06 inches
Item Weight	7.2 ounces
Certifications	UL 943 Class A GFCI, UL468 for Receptacles, CSA C22.2 No. 144.1, Complies with NEC Article 406.12
Features	Automatic Self-Testing, Tamper-Resistant, End-of-Life Indicator
Included Components	GFCI Receptacle, Installation Instructions, Matching Faceplate, Mounting Screws

9. WARRANTY INFORMATION

This Universal Security Instruments GFCI Outlet comes with a **2-year limited warranty**. For specific terms and conditions, please refer to the warranty documentation included with your product or contact Universal Security Instruments customer support.

10. SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Universal Security Instruments customer support. Refer to the contact information provided in your product packaging or visit the official Universal Security Instruments website.