

## Leviton GFTA2-W

# Leviton GFTA2-W 20 Amp GFCI Outlet with Audible Alarm and Self-Test: Instruction Manual

Model: GFTA2-W | Brand: Leviton

### 1. ABOUT THE PRODUCT

The Leviton GFTA2-W is a 20 Amp Ground Fault Circuit Interrupter (GFCI) outlet designed to enhance electrical safety in your home. This device continuously monitors electrical current and quickly interrupts power if a ground-fault is detected, protecting against electric shock and electrocution. It features an audible alarm to alert users to power loss, particularly useful for appliances in less frequently visited areas like garages or basements. The GFTA2-W also includes an automatic self-test function and an LED indicator for continuous monitoring of its operational status, ensuring compliance with National Electric Code® (NEC®) standards.

#### Key Features:

- **Audible Alarm:** Sounds when the GFCI trips and power is lost, ideal for monitoring appliances in remote locations.
- **Self-Test Function:** Regularly conducts an automatic self-test to ensure proper operation and safety.
- **Tamper-Resistant:** Prevents insertion of foreign objects into the receptacle openings.
- **LED Indicator:** Provides simple, intuitive feedback on power and protection status.
- **Reset/Lockout Feature:** Prevents reset if the GFCI is unable to respond to a ground-fault or is improperly wired.
- **Enhanced Immunity:** Designed to improve immunity for reduced High Frequency (HF) nuisance tripping, providing increased compatibility with appliances.

### 2. PACKAGE CONTENTS

- Leviton GFTA2-W 20 Amp GFCI Outlet
- Instruction Sheet

### 3. 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! This device must be installed in accordance with all national and local electrical codes.

- Always turn off power at the main service panel before working with electrical wiring.
- Use a voltage tester to confirm power is off before touching any wires.
- If you are unsure about any part of these instructions, consult a qualified electrician.
- Do not use this device with aluminum wiring.
- Ensure all wire connections are secure and properly insulated.

## 4. INSTALLATION

Follow these general steps for installing your Leviton GFCI outlet. Always refer to the detailed wiring diagrams provided with your product packaging for specific instructions.

1. **Turn Off Power:** Locate your circuit breaker panel and turn off the power to the circuit where you will be installing the GFCI outlet. Use a voltage tester to confirm that the power is completely off at the outlet box.
2. **Remove Old Outlet:** Carefully remove the wall plate and unscrew the existing outlet from the electrical box. Gently pull the old outlet out of the box.
3. **Disconnect Wires:** Disconnect the wires from the old outlet. Pay close attention to which wires are connected to the 'LINE' terminals (incoming power) and which are connected to the 'LOAD' terminals (outgoing power to other outlets). Label them if necessary.
4. **Prepare Wires:** Ensure the ends of the wires are stripped to the appropriate length (usually 1/2 inch or 12.7 mm) as indicated by the strip gauge on the back of the new GFCI device.
5. **Connect Ground Wire:** Connect the bare copper or green insulated ground wire from the electrical box to the green ground screw on the GFCI outlet. Tighten securely.
6. **Connect LINE Wires:** Connect the incoming power (LINE) wires from the electrical box to the 'LINE' terminals on the GFCI outlet. The white wire connects to the silver 'LINE' terminal, and the black wire connects to the brass 'LINE' terminal. Ensure these connections are tight.
7. **Connect LOAD Wires (Optional):** If you are protecting downstream outlets, connect the outgoing power (LOAD) wires to the 'LOAD' terminals. The white wire connects to the silver 'LOAD' terminal, and the black wire connects to the brass 'LOAD' terminal. If no downstream protection is needed, cap the LOAD wires individually with wire nuts.
8. **Mount Outlet:** Carefully fold the wires into the electrical box and secure the GFCI outlet to the box with the provided screws.
9. **Install Wall Plate:** Attach the new wall plate.
10. **Restore Power:** Turn the power back on at the circuit breaker.

### Installation Visual Aids:



*Image: Back view of the Leviton GFCI outlet, showing the silver and brass wiring terminals for line and load connections, along with the green ground screw.*



*Image: Front view of the Leviton GFCI outlet, featuring the prominent TEST and RESET buttons and the LED indicator light.*



*Image: A white Leviton GFCI outlet neatly installed in a wall, ready for use.*

Your browser does not support the video tag.

*Video: Official Leviton guide demonstrating the easy installation process of a GFCI outlet, highlighting its slim profile for more space in the wall box.*

## 5. OPERATING INSTRUCTIONS

### Self-Test Function:

Your Leviton GFCI outlet is equipped with an automatic self-test feature that periodically checks its internal components to ensure it is functioning correctly. This occurs without user intervention. Additionally, you should manually test the device monthly.

### LED Indicator Light:

- **Green Light:** Indicates that the GFCI is functioning correctly and providing ground-fault protection.
- **No Light or Red Light:** Indicates a problem with the GFCI or that it has tripped. Refer to the Troubleshooting section.

## Audible Alarm:

The audible alarm will sound if the GFCI trips and power is lost to the outlet. This feature is particularly useful for appliances in out-of-the-way locations, such as a garage or basement, where a visual check of the LED indicator might be missed. The alarm helps you quickly identify and address power interruptions to critical appliances like refrigerators.



*Image: An installed Leviton GFCI outlet in a garage setting, with an icon indicating its audible alarm feature, emphasizing its utility for monitoring appliances.*

## 6. MAINTENANCE

To ensure continued protection, manually test your GFCI outlet monthly:

1. Plug a lamp or radio into the GFCI outlet and turn it on.
2. Press the 'TEST' button on the GFCI. The lamp/radio should turn off, and the GFCI's LED indicator should change (e.g., turn off or red), and the audible alarm should sound.
3. Press the 'RESET' button. The lamp/radio should turn back on, and the LED indicator should return to green.

If the GFCI does not trip when the 'TEST' button is pressed, or if it does not reset, it may be faulty and should be replaced immediately. Also, perform a visual inspection for any discoloration or loose connections.

## 7. TROUBLESHOOTING

If your GFCI outlet trips (power is interrupted and the LED indicator changes/alarm sounds), follow these steps:

1. **Inspect the GFCI:** Check the GFCI outlet for any signs of discoloration, damage, or loose plug connections. If any are found, replace the GFCI immediately.
2. **Identify the Cause:** Note what was happening when the GFCI tripped. Were you using a specific appliance? Did you plug something in or turn something on?
3. **Check Appliances/Cords:** Visually inspect the appliance and its cord that was connected to the GFCI (or any downstream outlets) for frayed wires, damage, or faults. Unplug any device with obvious damage.
4. **Reset the GFCI:** Press the 'RESET' button firmly. If the GFCI resets and holds, the issue might have been temporary or with the unplugged device.
5. **Persistent Tripping:** If the GFCI continues to trip, or if the reason for the trip is not obvious after inspecting devices, it's time to contact a qualified electrician.

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*Video: Leviton's Answer Series explaining what to do when your GFCI outlet trips, including when to contact an*

electrician.

## 8. SPECIFICATIONS

Feature	Detail
Product Dimensions	1.7 x 1.3 x 4.2 inches
Item Weight	5.6 ounces
Manufacturer	Leviton
Item Model Number	GFTA2-W
Brand	Leviton
Color	White
Compatible Devices	All
Material	Polycarbonate (PC)
Voltage	125 Volts

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please contact Leviton customer service directly or visit their official website. Keep your purchase receipt for warranty claims.