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› Leviton R12-GFNT2-0RW 20 Amp White GFCI Receptacle Instruction Manual

Leviton BR130

Instruction Manual

LEVITON R12-GFNT2-0RW 20 AMP WHITE GFCI RECEPTACLE

1. INTRODUCTION

Thank you for choosing the Leviton R12-GFNT2-0RW 20 Amp White GFCI Receptacle. This manual provides essential information for the safe installation, operation, and maintenance of your new Ground Fault Circuit Interrupter (GFCI) receptacle. Please read these instructions thoroughly before beginning installation or use to ensure proper function and safety.

2. 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 by a qualified electrician in accordance with all national and local electrical codes.

- Always disconnect power before working with electrical wiring.
- Do not install in wet locations unless specifically rated for such use.
- Ensure all wire connections are secure and properly insulated.
- Test the GFCI receptacle monthly to ensure proper operation.

3. PRODUCT OVERVIEW

The Leviton R12-GFNT2-0RW is a 20 Amp, 125 Volt Ground Fault Circuit Interrupter (GFCI) receptacle designed to protect against electrical shocks by quickly disconnecting power when a ground fault is detected. It features a classic white design and is built with high-quality materials for durability and safety.



This image displays the Leviton 20 Amp White GFCI Receptacle. It features two standard electrical outlets, a prominent red 'RESET' button, a black 'TEST' button, and a small green indicator light at the bottom, signifying proper function. The receptacle is designed for flush mounting and includes mounting tabs at the top and bottom.

Key Features:

- Supports up to 20 amps, ideal for heavy-duty electrical appliances and equipment.
- Provides Ground Fault Circuit Interruption for enhanced safety.
- Classic white design that complements a variety of interior decor styles.
- Designed for simple installation in standard electrical boxes.
- Built with high-quality materials for long-lasting reliability and safety.

4. SETUP (INSTALLATION)

1. **Turn Off Power:** Locate the circuit breaker or fuse that controls the outlet you are replacing or installing. Turn it OFF. Verify power is off using a voltage tester.
2. **Remove Old Receptacle (if applicable):** Carefully remove the wall plate and unscrew the old receptacle from the electrical box. Disconnect the wires, noting which wire was connected to which terminal.
3. **Wire the New GFCI:**
 - Connect the incoming HOT (black) wire to the brass "LINE" terminal.
 - Connect the incoming NEUTRAL (white) wire to the silver "LINE" terminal.
 - Connect the GROUND (green or bare copper) wire to the green ground screw.
 - If connecting to downstream outlets, connect the outgoing HOT and NEUTRAL wires to the "LOAD" terminals (these are usually covered by a yellow sticker that must be removed).

Note: Incorrect wiring of LINE and LOAD terminals will prevent the GFCI from providing ground fault protection to downstream outlets.

4. **Mount the Receptacle:** Carefully fold the wires into the electrical box. Secure the GFCI receptacle to the electrical box using the provided screws.
5. **Install Wall Plate:** Attach the wall plate (such as the antimicrobial treated plastic wall plate) over the installed GFCI receptacle.

6. **Restore Power:** Turn the power back ON at the circuit breaker or fuse box.

5. OPERATING INSTRUCTIONS

Once installed and power is restored, the GFCI receptacle is ready for use. The green indicator light should be illuminated, indicating that the GFCI is functioning correctly and providing protection.

Test and Reset Buttons:

- **TEST Button (Black):** Press this button to simulate a ground fault. The GFCI should trip, and the green indicator light will turn off (or a red light may appear, depending on the model). This confirms the GFCI is working.
- **RESET Button (Red):** After testing or if the GFCI trips due to a ground fault, press this button firmly to restore power. The green indicator light should illuminate again.

If the GFCI does not reset or trips immediately after resetting, there may be a persistent ground fault or wiring issue that needs to be addressed by a qualified electrician.

6. MAINTENANCE

Regular maintenance ensures the continued safety and performance of your GFCI receptacle.

Monthly Testing:

1. Plug a lamp or other device into the GFCI receptacle to confirm power is on.
2. Press the "TEST" button. The GFCI should trip, and the lamp should turn off.
3. Press the "RESET" button. The GFCI should reset, and the lamp should turn back on.
4. If the GFCI fails this test, it should be replaced immediately.

Cleaning:

Clean the surface of the receptacle and wall plate with a soft, damp cloth. Avoid using abrasive cleaners or solvents. If an antimicrobial treated wall plate is used, its properties help inhibit the growth of mold, mildew, and bacteria.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
GFCI will not reset.	No power to the GFCI, or a persistent ground fault.	Check circuit breaker. Disconnect all loads from the GFCI and try to reset. If it still won't reset, it may be faulty or there's a wiring issue. Consult an electrician.
GFCI trips frequently.	Appliance connected has a ground fault, or moisture is present.	Unplug all devices. If it stops tripping, plug devices back in one by one to identify the faulty appliance. Check for moisture in the area. If problem persists, consult an electrician.
No power from the GFCI.	GFCI is tripped, or no power to the circuit.	Press the "RESET" button. Check the circuit breaker. Ensure the GFCI is wired correctly (LINE vs. LOAD).

8. SPECIFICATIONS

Attribute	Value
Brand	Leviton
Model Number	BR130 (GFNT2-0RW)
Voltage	125 Volts
Wattage	20 watts
Amperage	20 Amps
Color	White
Material	Viton
Item Weight	4.2 ounces
Product Dimensions	1.75 x 2.25 x 4.4 inches
Power Source	AC
Total Power Outlets	1
Included Components	White GFCI Receptacle

9. WARRANTY AND SUPPORT

Leviton products are manufactured to the highest quality standards and are backed by a limited warranty. For detailed warranty information, technical support, or to inquire about replacement parts, please visit the official Leviton website or contact their customer service department.

Website: www.leviton.com

Customer Service: Refer to the contact information on the Leviton website for phone numbers and email support.

ASK A QUESTION ABOUT THIS MANUAL

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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