Leviton GFRBF-T

Leviton SmartlockPro Blank Face GFCI (GFRBF-T) Instruction Manual

Brand: Leviton | Model: GFRBF-T

1. INTRODUCTION

This manual provides essential information for the safe and proper installation, operation, and maintenance of your Leviton SmartlockPro Blank Face Ground Fault Circuit Interrupter (GFCI). The SmartlockPro self-test GFCI is designed to continuously monitor for ground faults, providing protection against electric shock. It features an automatic internal self-test function and a slim profile for easier installation.

2. KEY FEATURES

- **Self-Test Function:** Regularly conducts an automatic internal test to confirm proper ground fault response.

- **Continuous Protection:** Detects and trips on actual ground faults even during self-testing.

- **Status Indicator Light:** Provides clear feedback on power and protection status, including line/load reversal.

- **Reset Lockout:** Patented mechanism prevents resetting if the GFCI is damaged or cannot respond to a ground fault.

- **Slim Design:** Reduced depth facilitates easier installation in various electrical boxes.

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 by a qualified electrician or a knowledgeable individual familiar with electrical wiring.

- Always follow local and national electrical codes.

- Do not use this device if it appears damaged.

- Ensure proper grounding.
- Test the GFCI monthly to ensure proper operation.

4. SETUP AND INSTALLATION

The Leviton SmartlockPro GFCI is designed for quick and easy installation due to its slim profile, allowing more room in the electrical box. Ensure power is OFF at the circuit breaker before beginning installation.

4.1 Wiring Connections

Properly identify LINE and LOAD wires. The LINE wires bring power from the circuit breaker, and the LOAD wires carry power to downstream outlets protected by this GFCI. Incorrect wiring will prevent the GFCI from providing ground fault protection.

Image: Side view of the Leviton Blank Face GFCI, showing its slim profile and wiring terminals for connection.

4.2 Installation Video Guide

Your browser does not support the video tag.

Video: This official Leviton video demonstrates the easy installation process for a GFCI outlet, highlighting its slim design and wiring connections.

5. Operating Instructions

The Blank Face GFCI provides ground fault protection in areas where a standard receptacle is not needed, such as for hard-wired appliances or in conjunction with other protected outlets.

5.1 Self-Test and Indicator Light

The SmartlockPro GFCI continuously monitors its own functionality. A green LED indicator light confirms that the device is working correctly and providing protection. If the LED turns red or does not illuminate, the GFCI may be faulty and requires attention.

Image: Front view of the Leviton Blank Face GFCI, showing the TEST and RESET buttons and the LED indicator light.

5.2 Monthly Testing

Even with the self-test feature, it is important to manually test your GFCI monthly to ensure it is functioning correctly. To test:

1. Press the **TEST** button. The GFCI should trip, and the indicator light may change or turn off.
2. Press the **RESET** button. The GFCI should reset, and the indicator light should return to green.

If the GFCI does not trip or reset as described, it may be faulty and should be replaced.

6. Maintenance

Regular maintenance for your Leviton GFCI involves monthly manual testing and visual inspection. Ensure the device is free from physical damage, discoloration, or loose connections. If any issues are observed, refer to the troubleshooting section or contact a qualified electrician.

7. Troubleshooting

7.1 GFCI Trips Frequently

If your GFCI trips, it is performing its intended safety function by detecting a ground fault. To identify the cause:

- **Inspect the GFCI:** Check for any signs of discoloration, burning, or loose connections. If found, replace the GFCI immediately.
- **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?
- **Check Appliances/Cords:** Visually inspect any connected appliances or their cords for damage (e.g., frayed wires). Unplug any device with obvious damage or faults.
- **Reset:** After addressing potential causes, press the RESET button. If it resets, the issue was likely with the appliance or cord.
- **Persistent Tripping:** If the GFCI continues to trip, or if the reason for the trip is not obvious, it is time to contact a qualified electrician.

7.2 GFCI Troubleshooting Video

Your browser does not support the video tag.

Video: This official Leviton video explains what to do when your GFCI outlet trips and when it's appropriate to call an electrician.
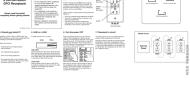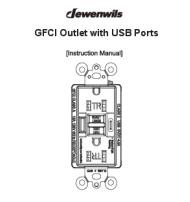
8. SPECIFICATIONS

Specification	Value
Item Model Number	GFRBF-T
Product Dimensions	1.69 x 1.32 x 4.21 inches; 3.2 ounces
Brand	Leviton
Color	Light Almond
Material	Polycarbonate (PC)
Voltage	125 Volts
Manufacturer	Leviton Direct
Date First Available	August 5, 2015

9. WARRANTY AND SUPPORT

Leviton products are backed by a manufacturer's warranty. For specific warranty details, technical support, or further assistance, please refer to the documentation included with your product or visit the official Leviton website. It is recommended to retain your proof of purchase for warranty claims.

Related Documents - GFRBF-T

	[Leviton SmartlockPro GFCI Receptacle Installation and Testing Guide](#) Comprehensive guide to installing and testing Leviton SmartlockPro Ground Fault Circuit Interrupter (GFCI) receptacles. Covers safety precautions, wiring, troubleshooting, and product features.
	[Leviton GFCI Receptacle Installation and Testing Guide](#) A comprehensive guide on how to install and test a Leviton SmartLock Pro GFCI Receptacle, including wiring instructions, safety precautions, and troubleshooting tips.
	[Leviton GFNT1-DIN/GFNT2-DIN DIN Rail Mount GFCI Receptacle Installation Guide](#) Comprehensive guide for installing and testing Leviton's GFNT1-DIN and GFNT2-DIN DIN Rail Mount GFCI Receptacles, including wiring instructions, safety precautions, and troubleshooting.
	[Leviton GFCI Outlet with USB Ports Installation and Operation Manual](#) Comprehensive guide for installing and operating Leviton GFCI Outlets with USB Ports, including wiring instructions, safety warnings, testing procedures, and warranty information.
	[Installing and Testing Leviton Smart GFCI Outlet: A Comprehensive Guide](#) Step-by-step instructions for installing and testing Leviton Smart GFCI outlets (models D2GF1, D2GF2). Learn about GFCI functionality, wiring, troubleshooting, and safety precautions.
	[Leviton L-100 Catalog: Wiring Devices and Lighting Controls for Construction and Maintenance](#) Explore the comprehensive Leviton L-100 catalog, featuring a vast selection of high-quality wiring devices, lighting controls, and electrical solutions for industrial, commercial, and residential applications. Discover Leviton's century of innovation and commitment to quality.