

ELEGRP G1215PA2 G20PASR

ELEGRP G1215PA2 G20PASR GFCI Replacement Plug Assembly User Manual

Brand: ELEGRP | Model: G1215PA2 G20PASR

INTRODUCTION

The ELEGRP G1215PA2 G20PASR Patented Auto-Monitoring GFCI Replacement Plug Assembly is designed to provide enhanced electrical safety by protecting against ground faults. This auto-reset, 15 Amp, non-grounded plug is suitable for a variety of indoor and outdoor applications, including power pressure washers and pool pumps. It features advanced auto-monitoring capabilities and is UL/CUL Listed, ensuring reliable performance and user protection.



Figure 1: ELEGRP G1215PA2 G20PASR GFCI Replacement Plug Assembly.

Safety Information

Your safety is paramount. This GFCI plug is designed with multiple safety features to protect against electrical hazards. It is UL and CUL Listed, confirming its compliance with rigorous safety standards.

- **Patented Auto-Monitoring:** The device automatically conducts a self-test every 5 seconds, exceeding the UL standard of 3 hours, to ensure continuous protection against electrocution.
- **Surge and Lightning Protection:** Withstands 6 kilovolt surges, providing additional protection for connected appliances.
- **Water Resistant:** Reaches Level IP65 water resistance, exceeding UL 50E-3R, making it suitable for damp or wet environments.
- **Durable Construction:** Made from high-strength thermoplastic for enhanced durability and impact resistance.



Figure 2: Always prioritize electrical safety, especially around children.

INSTALLATION INSTRUCTIONS

This GFCI replacement plug is designed for easy installation with screw terminals, eliminating the need for soldering. It is a non-grounded, 2-wire, 2-prong assembly.

Required Tools:

- Screwdriver
- Wire Strippers

Installation Steps:

1. **Prepare the Wire:** Carefully cut and strip the insulation from the end of your appliance's power cord, exposing the two internal wires. Ensure approximately 1/2 inch of bare wire is exposed.

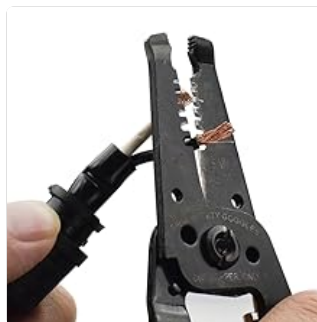


Figure 3: Stripping the power cord wires.

2. **Open the Plug Assembly:** Unscrew and carefully open the GFCI plug assembly to access the internal wiring terminals.
3. **Connect the Wires:** Insert each stripped wire into its corresponding screw terminal. Tighten the screws securely to ensure a firm electrical connection. This model does not require a grounding wire.



Figure 4: Connecting wires to the terminals.

4. **Secure the Cable:** Utilize the provided grommets (2 different sizes for 14AWG, 16AWG, and 18AWG cables) to secure the cable firmly where it enters the plug housing.
5. **Close the Assembly:** Carefully close the plug assembly, ensuring no wires are pinched. Secure it with the screws.



Figure 5: Closing the plug assembly.



Figure 6: Securing the plug assembly.

6. **Initial Plug-in:** After installation, it is necessary to press the **Reset Button** for initial power-up.

OPERATING THE GFCI PLUG

The ELEGRP GFCI plug is designed for simple and effective operation, ensuring continuous safety.

Self-Test and Auto-Monitoring:

This GFCI outlet automatically conducts a self-test (auto-monitor) every 5 seconds to ensure it is continually working to protect people from electrocution. A green LED indicator light shows when there is power and the unit is functioning correctly.



Figure 7: The GFCI plug performs an automatic self-test every 5 seconds.

Test and Reset Buttons:

The GFCI plug features two buttons: a **TEST** button and a **RESET** button. These buttons allow you to manually verify the GFCI's functionality and restore power after a trip.

- **TEST Button:** Press this button to simulate a ground fault. The GFCI should trip, cutting off power to the connected device, and the LED indicator will turn off.
- **RESET Button:** After a trip (either from a ground fault or a test), press this button to restore power. The LED indicator should illuminate green, indicating normal operation.

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Video 1: An overview of the ELEGRP GFCI G20 Series, demonstrating its features including self-test, durability, and various types of GFCI plugs.

MAINTENANCE

To ensure the longevity and continued safe operation of your ELEGRP GFCI plug, follow these maintenance guidelines:

- **Regular Testing:** Perform a manual test using the TEST button monthly to ensure the GFCI is functioning correctly.
- **Keep Clean:** Wipe the exterior of the plug with a dry, clean cloth. Avoid using abrasive cleaners or solvents.
- **Inspect for Damage:** Periodically check the plug and cord for any signs of damage, such as cracks, fraying, or discoloration. If damage is found, discontinue use and replace the unit.
- **Protect from Elements:** Although water-resistant, avoid prolonged exposure to extreme weather conditions. When used outdoors, ensure it is protected within a suitable weatherproof enclosure if not directly connected to a weatherproof outlet.



Figure 8: Example of a weatherproof cover for outdoor electrical outlets.

TROUBLESHOOTING

If your GFCI plug is not functioning as expected, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
GFCI will not reset (no power)	No power to the outlet; internal fault; damaged unit.	Check the circuit breaker. Ensure the outlet is live. If the problem persists, the unit may be faulty and require replacement.
GFCI trips frequently	Ground fault in the connected appliance or wiring; overloaded circuit.	Unplug the appliance and try resetting. If it resets, the appliance may have a fault. If it trips with no appliance, check the wiring. Reduce load on the circuit.
LED indicator is off, but power is present	GFCI has tripped.	Press the RESET button. If it does not reset, refer to "GFCI will not reset" above.

SPECIFICATIONS

Detailed technical specifications for the ELEGRP G1215PA2 G20PASR GFCI Replacement Plug Assembly:

Feature	Specification
Safety Certification	UL, CUL Certification
Operating Temperature	-31 to 150°F (-35 to 66°C)
Rated Voltage	125Vac
Rated Current	GFCI 15A

Feature	Specification
Rated Frequency	60Hz
Rated Residual Operating Current	4mA~6mA
Standard Cord Set Compatibility	16AWGx3C or 14AWGx2C, 18AWGx3C/2C or 16AWGx2C
Reset Type	Auto Reset
Product Dimensions	4.67"D x 2.05"W x 1.54"H (118.5x52x39mm)



Figure 9: Visual representation of product specifications.

APPLICATIONS

The ELEGRP GFCI Replacement Plug Assembly is versatile and suitable for a wide range of applications, both indoors and outdoors, where electrical safety is critical:

- Power Pressure Washers
- Pool Pumps
- Generators
- Vacuum Cleaners
- Heaters
- Household Electrical Appliances
- Chargers

PERFECT FOR



Figure 10: Common applications for the GFCI plug.

PACKAGE

GFCI PLUG

AFTER-SALES SERVICE CARD

REAR COVER

INSTALLATION INSTRUCTION

16AWGX3C OR 14AWGX2C
18AWGX3C/2C OR 16AWGX2C

PRODUCT SPECIFICATION

Safety Certification	UL, CUL Certification
Operating Temperature	-31 to 150°F (-35°C to 66°C)
Rated Voltage	125Vac
Rated Current	GFCI 15A
Rated Frequency	60Hz
Rated Residual Operating Current	4mA~6mA
Standard Cord Set	16AWGX3C or 14AWGX2C 18AWGX3C/2C or 16AWGX2C
Reset	Auto Reset
Product Size	4.67x2.05x1.54" (118.5x52x39mm)

Figure 11: The GFCI plug is ideal for devices like hot tubs and pressure washers.

WARRANTY AND SUPPORT

ELEGRP is committed to providing high-quality products and customer satisfaction. This product comes with 3 years of product support.

For technical assistance, troubleshooting, or warranty claims, please contact ELEGRP customer support through their official channels.



Figure 12: ELEGRP's commitment to product quality and support.