

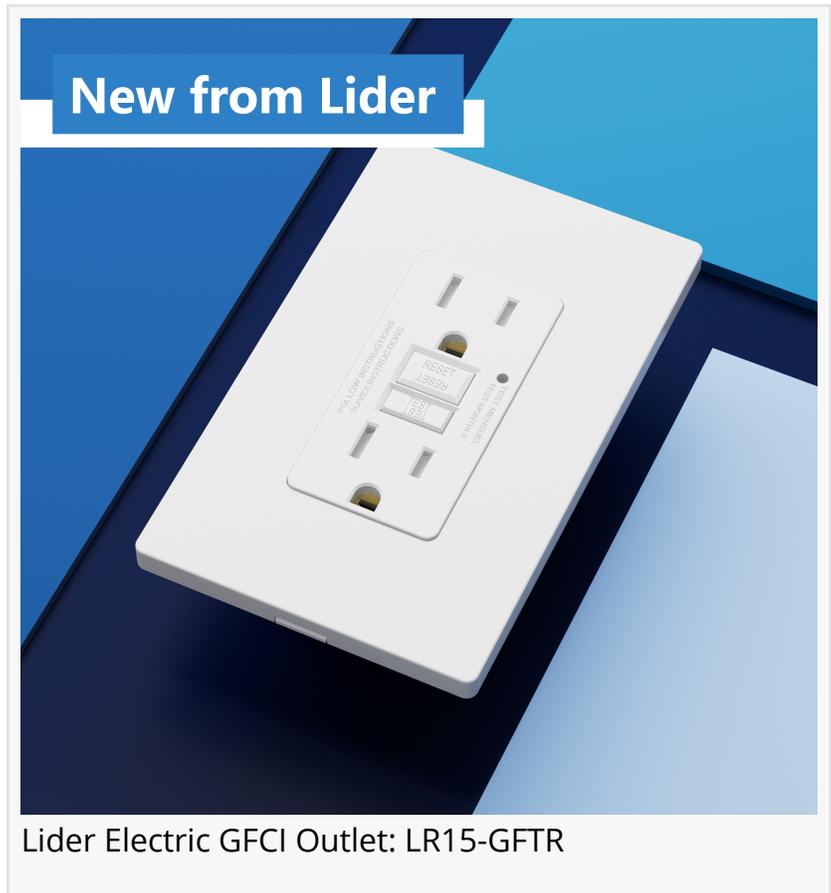
Lider Electric Elevates Home Safety with New Self-Testing GFCI Receptacles

Setting a new standard for reliable GFCI protection: 0.025-second response time and advanced anti-interference technology.

NEWPORT BEACH, CA, UNITED STATES,
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EINPresswire.com/ -- Lider Electric is proud to announce the official launch of its new 15A and 20A Self-Testing GFCI Receptacles, LR15-GFTR.

Engineered to exceed modern safety standards, this advanced ground fault circuit interrupter offers a rugged, high-endurance power solution designed to protect families and equipment in bathrooms, kitchens, garages, and other high-risk environments.



In a market where standard GFCIs often suffer from "nuisance tripping" caused by electrical noise or wearing out prematurely, Lider Electric distinguishes itself with a focus on stability and precision. Unlike basic models that offer limited protection, Lider's new GFCI features Enhanced Anti-Interference Technology. This industrial-grade design filters out electrical noise (EMI) from appliances like washing machines and exhaust fans, ensuring the device trips only when a real danger exists.

Closing the Reliability Gap in Electrical Safety

Electrical safety is not just about cutting power; it is about reacting instantly and intelligently. Standard outlets often lack the speed or the diagnostic capability to provide true peace of mind.

Lider Electric addresses this by integrating High-Speed Ground Fault Protection that cuts power within 0.025 seconds of detecting a fault, drastically faster than the blink of an eye. Furthermore, the unit features an intelligent "Watchdog" system that self-tests automatically to ensure the protection of circuitry is always functioning. If a wiring issue or internal failure is detected, the intuitive LED indicator provides immediate visual feedback, eliminating the guesswork for homeowners and electricians alike.

Key Features & Benefits

- **Instantaneous Fault Protection:** Engineered with a rapid-response mechanism that interrupts power within 0.025 seconds to prevent severe electric shock.
- **No-False-Trip Technology:** Features an advanced anti-interference design that resists electrical noise (EMI) and power spikes, preventing annoying nuisance tripping common in laundry rooms and kitchens.
- **Intelligent Self-Monitoring:** Built-in self-test functionality runs periodically to ensure safety. The LED Status Indicator offers real-time diagnostics.
- **Installer-Centric Design:** Upgraded with Clamp-Type Back Terminals that allow for faster, tighter, and more secure wire connections compared to traditional side-screw wrapping.

One Click Safety Reset 0.025 Second

GFCI Status Indicator

- Green LED**
LED ON & Outlet Has Power
Working correctly and providing power
- LED ON & Outlet Has NO Power**
The hot and load wires are most likely flipped reversed at the installation terminals
- LED OFF**
Tripped or No Power
Press the RESET button to restore power
If it won't reset, the device may have failed

Control Buttons

- RESET Button**
Press this button once the fault is cleared to turn the outlet back on
- TEST Button**
To verify the protection circuitry is working
Pressing this button should immediately trip and cut power to the outlet

Lider Electric: GFCI Safety Introduction

Our's

- ✓ Built for new standards
- ✓ Industrial-grade protection
- ✓ Enhanced safety
- ✓ High endurance
- ✓ Stays reliable

The Others'

- ✗ Not ready for new standards
- ⚠ Limited protection
- ⚠ Basic safety
- ⚠ Moderate endurance
- ⚠ Unstable

EMI Electrical Noise
EFT PowerSpikes
Surge Protection
ESD Protection
In Noisy Areas

Lider Electric vs. Other Brands: Advanced Safety & Reliability

- Industrial-Grade Durability: Constructed from high-impact resistant thermoplastic with reinforced components to withstand high endurance use in both residential and commercial settings.
- Enhanced Child Safety: Equipped with Tamper-Resistant Shutters that meet 2017 NEC Article 406.12 requirements, blocking the insertion of foreign objects while maintaining easy plug-in access for adults.

Technical Specifications

- Rating: 15A or 20A Options | 125VAC | 60Hz
- Trip Level: 5mA (Class A)
- Response Time: 0.025 Seconds
- Wire Support: #14 - #12 AWG Copper
- Terminals: Clamp-Type for secure installation
- Certifications: ETL Listed, Complies with UL943 Class A & UL498, FCC Part 15
- Warranty: 1-Year

Availability

The Lider Electric 15A and 20A GFCI Receptacles are available for purchase starting December 10, 2025. Customers can order directly via the [LIDER Store](#) or the official [Amazon Listing Page](#).

About Lider Electric Inc.

At Lider Electric, we transform simple wiring and lighting controls into functional, safe, and visually stunning devices. Our company mission is to bring style and versatility to forward-thinking technical development. From sleek aesthetics to ultra-durable engineering, Lider Electric products are built to ensure longevity and high performance for the modern home.

Marketing Team

Lider Electric

+1 833-977-3915

marketing@lider-electric.com

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