

GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLES • BACK-WIRED AND SIDE-WIRED FOR TERMINAL AND FEED-THROUGH APPLICATIONS



Cat. No. 6599

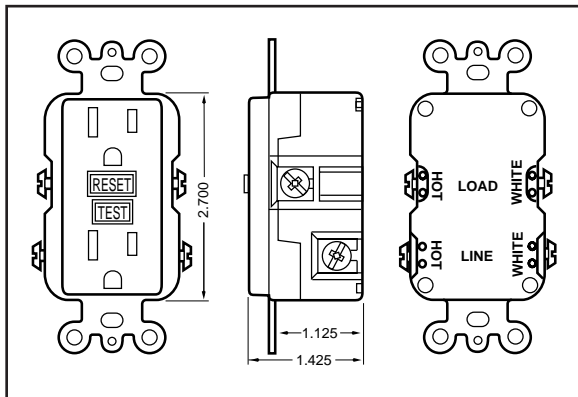
APPLICATION

These devices provide personnel protection by interrupting a circuit where a fault current to ground exceeds a predetermined value. For use with alternating current only.

A GFCI receptacle should be specified, rather than a GFCI circuit breaker, in those applications where it is important to localize power interruption, to provide convenient testing and resetting at the receptacle itself (rather than at the breaker panel), to minimize nuisance tripping from causes extraneous to the receptacle protected, and to provide GFCI protection without specific concern for the type of manufacturer of the current overload protection.

This type of device can be installed in shared-neutral (Edison-type) circuits as long as *the shared neutral ends at the GFCI*. Circuit-breaker GFCI's cannot be used for such installations.

Note: In accordance with NEC Article 210-7(d), a GFCI receptacle may be used to replace an existing non-grounding 2-wire receptacle. In addition, existing non-grounding 2-wire receptacles may be replaced with grounding-type receptacles when they are supplied through a GFCI receptacle. (In this case, however, a grounding conductor should not be connected between the GFCI receptacle and those receptacles that it supplies).



Cat. No. 6599

Back-Wired and Side-Wired Ground Fault Circuit Interrupters

15A 125V AC at receptacles, 20A 125V AC feed-through NEMA 5-15R		
Description	Color	Cat. No.
Commercial Specification Grade GFCI Duplex Receptacle. No Indicator Light.	Brown Ivory White Gray Almond	6599 6599-I 6599-W 6599-GY 6599-A

All receptacles listed above are UL Listed and backed by Leviton's limited Two-Year Warranty.

TYPICAL SPECIFICATION

Ground Fault Circuit Interrupters shall be Leviton GFCI Duplex-Receptacle, with designer-style Decora receptacle faces, made in conformance with NEMA WD1-1.10 and complying with Underwriters Laboratories, Inc. Standard UL 943 (GFCI) and 498 (receptacle). All models shall have impact-resistant thermoplastic faces and bodies. Receptacles shall have back-wired and side-wired capability, and shall be capable of being installed to allow feed-through GFCI protection to the entire branch circuit or portions thereof, as well as through their own receptacles. In the feed-through mode, all models shall be current-rated at 20A. Models shall be UL Listed. Receptacle configurations and ratings as scheduled on plan. All models shall carry a Limited Two-Year Warranty.

FEATURES

- Complies with UL Standard 943 (GFCI) and 498 (receptacle)
- Eight back-wire holes—two for each Line and Load terminal
- Constructed with impact-resistant thermoplastic cover and body
- Shallow 1-1/8 body provides extra wallbox room
- Trip at 5mA (± 1 mA) threshold, meets or exceeds UL requirements for trip time
- Trip in 0.025 seconds for 240 mA fault
- Electro-mechanical circuit interrupter is double-pole and trip-free (GFCI protection cannot be overridden by holding reset button)
- Built-in transient suppression protects GFCI's internal circuitry from voltage transients
- Feed-through ready
- Silver-alloy contacts
- Temperature tolerance range: -31°F (-35°C) to 151°F (66°C)
- Test instructions and 16-year monthly test record hang-tag provided to allow conformance with UL-recommended monthly testing
- Dual-slot terminal and installation screws accept both Phillips and standard driver heads
- 100% fully-tested before shipping
- Compatible with all Decora™ devices
- Available in brown, ivory, white, gray and almond
- Supplied with Decora wallplates
- Backed by a Limited Two-Year Warranty

Performance Specifications	
Electrical	
Dielectric Voltage Withstand:	Tested to 2000V (live components to ground)
Optimum Voltage Range:	102V to 132V AC 60Hz
Current Rating:	15 Amps at receptacle, 20 Amps feed-through
Mechanical	
Terminal Identification:	Terminals identified in accordance with UL 498 (brass, silver-color & green)
Terminal accommodation:	#14 gage through #12 gage copper and copper-clad conductors
Product Identification:	Ratings are a permanent part of device housing. Each product contains a UL label, plus numbered and date-coded inspection label to certify 100% testing.
Environmental	
Flammability:	Rated V2
Operating Temperature:	-31°F (-35°C) to 151°F (66°C)

TESTING AND CODE COMPLIANCE

Leviton GFCI's are UL Listed, File # E-48380. In addition to UL 498, ANSI C73 and NEMA WD-1 requirements for duplex receptacles, these GFCI's meet requirements of UL 943 tests, which include (in part) Override Prevention, Leakage Current, Resistance to False Tripping, Operation under "Adverse" or High-Resistance Conditions, Load/No Load Variation, Operating Temperature, Resistance to Overload and Motor-Start Tripping, Low-Resistance Ground Fault Tripping Time, 2,000 Ampere Ground Fault, 2,000-Ampere Short Circuit, 3,000-Cycle Operational and 3,000-Cycle Supervisory-Circuit Endurance. The Leviton GFCI must withstand a 120 ampere surge load and a chattering relay-noise load without tripping. In addition to UL 943 Standard procedures, Leviton performs 12 exclusive tests to every GFCI receptacle, rather than to a sampling of devices. This is to help ensure flawless performance. These tests include: Short Circuit, Continuity, Leakage/Hot Strap, Trip Level between 4.0 - 6.0 mA. Indicator Light, Test Button, Line/Load-Phase/Neutral Reversal, Trip Time, Ground Neutral Fault, Noise-Surge Test. Each GFCI carries an individual inspection label indicating serial number, plant location, date of inspection and date of manufacture.

Warning: These devices are not to be used, directly or indirectly, with life-support apparatus or associated circuitry.

Leviton's Limited Two-Year Warranty

This warranty gives you specific rights, and you may also have other rights, which vary in different states and countries. Leviton warrants to the original consumer purchaser that this product is free of defects in materials and workmanship for 2 years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option, if within such 2 years the product is returned prepaid, with proof of purchase date, and a description of the problem to the Leviton Manufacturing Co., Inc., ATTN: Quality Assurance Department, 59-25 Little Neck Pkwy., Little Neck, NY 11362-2591. This warranty does not cover labor for removal or reinstallation of the product and is void on any product installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner. There are no implied warranties of any kind, but if implied warranties are required by the applicable jurisdiction, Leviton limits the duration of any implied warranty of fitness for use or merchantability to 2 years. Leviton is not liable for incidental or consequential damages, including without limitation, loss of equipment use and lost sales or profits for breach of any warranty on this product. Some jurisdictions may not allow exclusion of or limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above exclusions or limitations may not even apply to you.