legrand®

PASS & SEYMOUR®
Specification Grade Self-Test GFCIs
15 & 20A, 125VAC

1597, 2097, 1597NTLTR, 2097NTLTR, 1597TR, 2097TR, 1597TRA, 2097TRA, 1597TRWR, 2097TRWR, 1597IGTR, 2097IGTR, 1597NA, 1597TRNA, 2097NA, 2097TRNA

PART 1 – GENERAL

1.1 SCOPE

This specification covers Specification Grade GFCI used for branch circuit wiring. The wiring devices shall be installed per electrical drawings.

1.2 CLASSIFICATION

GFCI and components shall be designed, manufactured, tested and installed to comply with NFPA 70 (National Electrical Code) and the following: cULus Listed File Number E42190, Standard UL498 Attachment Plugs and Receptacles, UL943 GFCIs. Federal Specification WC596. Standard CSA C22.2 No. 42 General Use Receptacles, CSA C22.2 No.144 GFCIs. Conforms to NEMA WD-1 and WD-6.

PART 2 – PRODUCT

2.1 MANUFACTURER

The GFCI specified herein for branch circuit wiring shall be as manufactured by Pass & Seymour/Legrand:

15 Amp	1597	1597NTLTR	1597TR	1597TRA	1597TRWR	1597IGTR	1597NA	1597TRNA
20 Amp	2097	2097NTLTR	2097TR	2097TRA	2097TRWR	2097IGTR	2097NA	2097TRNA

GFCI of other manufacturers may be considered equal if, in the opinion and the written approval of the engineer, they meet all the performance standards specified herein.

2.2 MATERIALS

1. GFCI shall be rated 15A or 20A, 125VAC.
2. GFCI shall have feed thru rating of 20A, 125VAC (for all 15 & 20A GFCIs).
3. GFCI shall automatically conduct self-test every three seconds to ensure continuous protection.
4. GFCI shall have SafeLock® Protection -- if critical components are damaged and ground fault protection is lost, power to the receptacle is disconnected.
5. GFCI shall have an indicator light (red lamp).
6. Indicator light is solid when tripped. Indicator light flashes if GFCI fails the self test, signaling that the GFCI should be replaced.
7. GFCI shall meet 2015 revisions to UL Standard 943.
8. GFCI shall exceed UL requirements for resistance to voltage surge.
9. Terminal screws shall be back and side wired and accept #14, #12 and #10 AWG stranded or solid wire.
10. GFCI shall have a ground screw back wire clamp.
11. Test and reset buttons shall match the color of the face.
12. GFCI shall have an auto-ground clip to assure ground to a metal box.
13. Tamper-Resistant versions (1597TR and 2097TR) shall use UL-Listed shutter system and be resistant to tampering from any foreign metallic object and will require the presence of an object in both right and left hand contact to energize the device.
14. Weather-Resistant versions (1597TRWR and 2097TRWR) shall meet National Electrical Code® Weather-Resistant requirements.
15. Isolated Ground versions (1597IGTR and 2097IGTR) shall have the GFCI receptacle's grounding system isolated from the building's grounding system.
16. Single source, matching wall plates must be available by the same manufacturer.

PART 3 – EXECUTION

3.1 INSTALLATION

1. Install wiring devices and accessories as indicated, in accordance with manufacturer's written instructions, applicable requirements of NEC and in accordance with recognized industry practices to fulfill project requirements.
2. Coordinate with other work, including painting, electrical boxes and wiring installations, as necessary to interface installation of wiring devices with other work.
3. Exact field locations of floors, walls, partitions, doors, windows and equipment may vary from locations shown on the drawings. Prior to locating sleeves, boxes and chases for roughing-in of conduit and equipment, the contractor shall check with other contractors concerned to determine exact field location of the above items. In addition, he shall check for exact direction of door swings so that local switches are properly located on the strike side.
4. Install wiring devices only in electrical boxes which are clean; free from building materials, dirt and debris.
5. Install wiring devices after wiring work is completed.
6. Install wall plates after painting work is completed. Use galvanized steel wall plates in unfinished spaces.
7. Where more than one wiring device occurs in any one location, arrange devices in gangs with common cover plate.
8. In locations where several pieces of wall-mounted equipment such as wall switches and thermostats are in the same general area, all shall be installed and grouped in a neat, orderly fashion, all of the same horizontal or vertical center line, whichever the case may be. Variation from this direction shall be approved by the owner or the owner's representative. All receptacles and switches shall be mounted at a height as directed in drawings.

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