CAUTION

To prevent water ingress:
Do not install in corrosive areas or areas exposed to rain, hose down or water runoff.

GFS ground fault interrupter is a feed through type to serve receptacles in a branch circuit of 15 to 20 amperes at 125 volts AC. They are intended for use with Crouse-Hinds series ENR or GPS162 receptacles.

IMPORTANT INFORMATION

A GFS ground fault circuit interrupter reduces the hazards of ground fault currents that can cause loss of life. Upon detecting a ground fault current (exceeding 5 milliamps) in the protected branch circuit, the GFS unit will trip, interrupting power. Even with GFS unit limiting ground fault current, some electrical shock may be felt. Such shock will normally be of less than dangerous duration. However, persons with heart problems or other medical conditions that may make that person susceptible to the effects of electrical shock may still be seriously injured. While the GFS ground fault circuit interrupter provides a significant level of protection, there is no known device that can provide complete protection from all hazards of electrical accidents under all conditions.

INSTALLATION

Before starting, read all instructions contained in this installation and maintenance information sheet.

1. Install single- or two-gang standard, or two- or three-gang tandem EDS or EDSC device box (ordered separately) in desired location and connect into grounded conduit system.

NOTE: GFS units cannot be installed on EDSCM multi-gang modular control device bodies.

2. Pull all power source (line) wiring and receptacle (load) wiring into device box.

3. Attach wiring from GFS factory sealed chamber to power source and receptacles wiring in an approved manner. Make all connections following wiring diagram for your specific wiring system.

4. Insert wiring, then factory sealed chamber into device box with internal TEST and RESET buttons positioned correctly. TEST button on external cover must be lined up with TEST button of device in sealing well (clearly marked).

5. Place external cover over factory sealed chamber per Step 4, and attach with the four (4) screws provided. Tighten screws to 30 in.-lbs. torque.

6. Do not use GFS unit until it has been fully and successfully tested as specified in TESTING PROCEDURE.

TESTING PROCEDURE

To avoid the risk of explosion:

Clean both ground joint surfaces of cover, internal sealing chamber and device box before tightening screws. Dirt or foreign material must not accumulate on flat ground joint surfaces. Surfaces must fully seat against each other to form a proper explosion-proof seal.

To avoid the risk of electric shock:

1. Be sure all electrical power is OFF before starting installation and maintenance.

2. Install on 120 VAC grounded circuit only that is protected by properly rated circuit breaker or fuse.

3. Install GFS between circuit breaker or fuse and receptacles.

4. Connect to copper wire only.

5. Install GFS unit as close as practical to protected receptacles.

6. Attach the self-adhesive “GROUND FAULT PROTECTED” label to each receptacle.

The GFS unit will not protect against short circuits or overloads. A circuit breaker or fuse controlled switching system that supplies power to the branch circuit must provide that protection.

When the GFS unit has interrupted a ground fault current caused by faulty insulation, defective equipment or wet wiring, the fault must be repaired before the GFS unit is reset. The GFS unit must be tested upon completion of initial installation and at regular intervals in an established testing program.

1. Turn power ON to branch circuit receptacle protected by GFS unit.

2. Press the TEST button on GFS unit, the RESET button should extend outward displaying a red o-ring.

3. Plug a test lamp or meter into a protected receptacle. If the test lamp lights (or meter indicates a voltage reading), this indicates that the receptacle is NOT protected by the GFS unit.

4. Press the RESET button firmly until an audible click is heard. The test lamp should go OFF and RESET button extend outward. This indicates proper wiring connection to that receptacle.

5. With the RESET button extended, test the other receptacles in the branch circuit protected by the GFS unit. If the test lamp lights or the meter indicates a voltage reading, this indicates that the receptacle is NOT protected by the GFS unit.

6. Attach the self-adhesive “GROUND FAULT PROTECTED” label to each receptacle protected by the GFS unit.

7. Establish and maintain a regular monthly testing schedule.
WIRING CONNECTIONS

120VAC POWER SOURCE

BLACK BLACK/LINE

BLACK (120VAC)

WHITE (COMMON) WHITE/LINE

GFS UNIT

GREEN (GROUND)

FACTORY SEALED CHAMBER

ENR or CPS152 RECEPTACLE CONNECTION

System ground through metallic conduit or grounding conductor when supplied

System ground from receptacle when required

ELECTRICAL RATINGS

- 20 amperes
- 125 VAC
- 5 milliamp trip setting
- Class A per UL943

DIMENSIONS (IN INCHES)