



EPEXC-GFI-200

INSTALLATION, OPERATION & MAINTENANCE DATA SHEET

For use in Class I Div 1 Groups C and D; Class II Div 1 Groups E, F and G

Hazardous Locations

NOTE: All installations must comply with applicable local and/or national electrical codes, as well as safety practices for this type of equipment.

This receptacle enclosure is for use with 2-pole, 3-wire, 120 volt AC 60Hz, 15 (or 20) Amp, 1 Horsepower maximum circuits. The enclosure is designed for environments as defined in Article 500 of the National Electrical Code.

For use with EPP-15A and EPP-20A type explosion proof plugs.

DIRECTIONS FOR INSTALLATION GFCI Box

- 1.) Wire the system referring to the appropriate wiring diagram inside box. Special care should be taken to distinguish between the line and load side connections.
- 2.) Replace the cover and tighten screws to 5 ft-lbs.
- 3.) Enclosure must be vertical before plugging into existing power source. Hook around conduit or scaffolding; or similar.
- 4.) Make sure that the circuit breaker indicates "OFF" before inserting plug into power source. Follow manufacturers operation instructions to engage plug into the power receptacle.
- 5.) With circuit breaker "OFF", plug the device (requiring ground fault protection) into the receptacle.
- 6.) After both the supply circuit and the load circuit have been connected, the circuit breaker can be turned to the "ON" position. The pilot light will light indicating power to the receptacle.

OPERATIONAL DATA

The devices used in this enclosure are electrical arcing devices. The enclosure in which they are installed includes internal seals which isolates these devices from the supply circuit. Depending on your application, additional external seals may be required by NEC articles, 501-5 & 502-5. In addition, the enclosure must be marked with a cautionary statement such as:

"CAUTION: Disconnect this device from the supplying circuit before entering. Keep assembly tight while circuits are alive."

This statement must be permanently visible after the enclosure has been installed.

NOTE: Never hang this enclosure by the cord! The cord and plug assembly (cord set) must be inspected for wear before each use. For replacement, contact manufacturer.

If the pilot light does not light with circuit breaker in the "ON" position, check the following conditions:

- a) **Circuit breaker tripped** - Make sure that the circuit breaker has not tripped (turn handle toward "RESET"). Clear the load circuit of all faults before turning "ON".
- b) **Lamp failure** - Disconnect plug from power supply and replace the lamp (unscrew lens guard assembly).
- c) **Circuit breaker/ground fault malfunction** - Replace the circuit breaker.

RECEPTACLE OPERATION

Electrical connection between receptacle and plug is accomplished after plug fully inserts into receptacle and rotated clockwise.

- 1.) Lift receptacle door and locate polarization on mating plug pin and receptacle face. Insert plug straight all the way into receptacle until it cannot go further.
- 2.) Rotate plug clockwise limit (37°), this closes internal contacts and completes circuit. This also mechanically locks plug into receptacle so it cannot be pulled out.
- 3.) To remove plug, push plug inward and turn to counterclockwise, pull plug straight out.

MAINTENANCE DATA

This device should be checked for proper ground fault operation on a monthly basis. While connected to the power supply, turn circuit breaker handle "ON" and depress the push-to-test button. The circuit breaker should trip and the pilot light should turn off. Turn handle to reset the circuit breaker.

WARNING: Disconnect this device from supplying circuit before entering. **CAUTION:** The surfaces between the covers and the box is a flame path and must be kept clean.

Tighten receptacle and cover screws as follows:

1/4" screws: 5 ft-lbs, 3/8" screws: 23 ft-lbs.

Inspect components for wear before each use. If damaged, the parts must be replaced at once. Refer to the Parts Drawing below for specific replacement part numbers.