

INSTALLATION AND OPERATING INSTRUCTIONS
CIRCUITGUARD® Portable Power Cord
Ground Fault Circuit Interrupter (GFCI)
All Models

INSTALLATION AND OPERATION

1. Plug unit into a 120 VAC grounded receptacle.
2. (M Version Only) - Press the "RESET" button; the "FAULT LIGHT" should go off.
3. Press the "TEST" button; the "FAULT LIGHT" should come on.
4. Press the "RESET" button; the "FAULT LIGHT" should go off.
5. Do not use this device if it fails the above test. This device does not protect against electric shock due to contact with both circuit conductors and also due to a fault in any wiring supplying this device.
6. Connect the desired load equipment to the output cord receptacle and operate the equipment normally.

WARNING

1. If the GFCI fails to trip when the test button is pressed ("FAULT LIGHT" does not come on) or fails to reset ("FAULT LIGHT" does not go off), the device is inoperative and should be replaced immediately.
2. If the GFCI tests properly without any appliance plugged in to it but trips each time the appliance is plugged in, then the appliance has a ground fault and needs to be repaired or replaced. **DO NOT USE THE APPLIANCE IF THIS CONDITION OCCURS: A REAL SHOCK HAZARD MAY EXIST.**

CAUTION

1. Do not connect any electrical cord longer than 250 feet to the Hubbell CircuitGuard® GFCI output in order to avoid the possibility of nuisance tripping.
2. This device is to be used on normal electrical distribution systems 120V/60Hz ONLY.
3. Ground fault circuit interrupters, whether Hubbell CircuitGuard® GFCI or any other, do not protect against electrical shock resulting from contact with both line and neutral wires of the electrical circuit.
4. **DO NOT USE** in a wet environment if any seals are damaged.
5. **DO NOT IMMERSE.**
6. Test before each use to ensure correct operation.
7. The Hubbell CircuitGuard® GFCI is designed as a protective device; do not use as an off/on switch.



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IMPORTANT NOTE

Hubbell's CircuitGuard® GFCI, portable power cord models, will provide protection against ground faults when used with a 3-wire outlet receptacle or a 2-wire to 3-wire adapter. The adapter should be of the type that can be grounded to the outer mounting plate screw. It is always desirable, where possible, to use a 3-wire grounded receptacle because a ground provides additional protection against electrical shock hazard.

The Hubbell CircuitGuard® GFCI does not sense ground faults in the input conductors; therefore, it is recommended that if an extension cord is used, it should be connected between the Hubbell CircuitGuard® GFCI's output and the tool or appliance to be powered. Your Hubbell CircuitGuard® GFCI is now ready to test and use.

GENERAL

The Hubbell CircuitGuard® GFCI provides personnel ground fault protection. Conventional over-current protection devices such as fuses and circuit breakers cannot protect people from electrical shock due to low level ground fault current. Fuses and circuit breakers are designed to disconnect the power when current levels (amperes) flowing in the circuit exceed the rating of the fuse or circuit breaker. However, currents as low as a few milliamperes can be harmful to normal healthy human beings. One ampere equals 1000 milliamperes.

Many electric shocks occur where the path of current flow is from the hot wire through the metal housing of a defective tool or appliance, through the body of a human being to ground. Because of the resistance of the human body to electrical current flow, the current will be quite low relative to that required to cause conventional over-current protection devices to function. However, it may be high enough to cause a painful or possibly lethal electric shock to a human being.

The Hubbell CircuitGuard® GFCI is designed to remove power from equipment loads when these loads have a potentially lethal current flow to ground in excess of six milliamperes. Normal loads will draw current from the Line Conductor (black wire) and return it to the power source through the Neutral Conductor (white wire). Faulty loads can return some of the current to the power source through a ground path such as a water pipe, gas pipe, wet floor, third conductor (green wire), or worst of all, through a person who is in contact with an extrinsic ground.

The Hubbell CircuitGuard® GFCI portable and weather resistant construction allows it to be used in outdoor or indoor locations, where ground fault protection is desired. When energized by actuation of the reset button, it will conveniently supply power to any power tool or appliance whose load requirement does not exceed 15 amperes at 120 volts RMS, 60 Hertz or 1800 watts.

NOTICE: A GFCI limits the duration but not the magnitude of ground fault current and, therefore, does not prevent electric shock. It limits the duration of the shock to a period considered safe for healthy people.



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