
GFCI Outlet Information

976-0174-01-01 Rev A

How Xantrex is Addressing New GFCI Testing

The main operating manual for your product contains information about GFCI (Ground Fault Current Interrupter) outlets and lists various GFCI outlets by manufacturer and model number that are known to work properly with this inverter or inverter/charger. This information is provided to allow proper selection of GFCI outlets for connection to the inverter output.

Due to change over time, the GFCI outlet make and model information in your main manual will become increasingly out of date. We would like to inform you of the following changes we have made to how we release updated information.

Since July/August 2006, the GFCI outlet industry has been required to comply with the UL943 standard, 2006 (latest) version. The previous versions are no longer manufactured and are not available for purchase. As such, we have tested new UL946 2006 compliant GFCI outlet versions on Xantrex Inverters and Inverter/Chargers and placed the results in an Application Note (Using GFCI Receptacles on Xantrex Portable Inverters and Inverter/Chargers) which is available at the Xantrex website for viewing and download.

To view the Application Note, type the web address below into your browser

http://www.xantrex.com/support/document_index.asp

and click *Choose by Document Type*, then click *Application/Technical Notes*.

Note: Xantrex continues to test new GFCI outlets and our Application Note (Using GFCI Receptacles on Xantrex Portable Inverters and Inverter/Chargers) will be updated with new test results from time to time.

GFCI Outlet Indicator Light (LED) Function Description

Since the built in GFCI outlet can be made by 4 different manufacturers, the LEDs on the front of the outlets can, and in most cases do, have different functions. See below for more detail.

Note: In all cases the meaning of the LED when it is OFF assumes that there is AC power to the GFCI. If the utility is disconnected and the inverter is off, the GFCI LED will be OFF and the meanings below do not apply.



Figure 1 HUBBELL GFCI

Manufacturer: HUBBELL INC. Model number: GF15WL. LED color: RED.

LED Function: Power Status as well as End Of Life (EOL).

LED ON - GFCI is ON

LED OFF - GFCI is OFF

LED is FLASHING - GFCI has reached EOL and must be replaced



Figure 2 LEVITON GFCI

Manufacturer: LEVITON MFG. Co. Inc. Model number: 7599-W. LED color: GREEN

LED Function: Power Status.

LED ON - GFCI is ON

LED OFF - GFCI is OFF.



Figure 3 PASS & SEYMOUR / LEGRAND GFCI

Manufacturer: PASS & SEYMOUR / LEGRAND. Model number: 1595-W. LED color: RED
LED Function: Trip Indicator Light.
LED ON - GFCI is OFF (tripped due to Ground Fault)
LED OFF - GFCI is ON.



Figure 4 COOPER WIRING DEVICES GFCI

Manufacturer: COOPER WIRING DEVICES. Model number: VGF15W. LED color: YELLOW
LED Function: Trip Indicator Light.
LED ON - GFCI is OFF (tripped due to Ground Fault)
LED OFF - GFCI is ON.

Note: On some of the GFCI outlets, the End of Life (EOL) is not displayed via LED. EOL is reached when the RESET button no longer engages (or does not stay pressed in) and GFCI output power is denied. On others, it is the combination of LED and RESET button position that reflects EOL. For example, on Pass&Seymour 1595-W, if LED is on and RESET button does not stay pressed in, the GFCI outlet has reached its EOL.

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