



GFCI Information

CABLE & DISTRIBUTION

GFCI's Explained

Whenever a production is shooting in a damp or wet location (i.e. where there is use of rain-towers, you're near a swimming pool, it's raining, early morning where condensation has built up over night, etc.) Ground Fault Circuit Interrupters (GFCI) are to be used, as per the Canadian Electrical Code, Part 1. In the film/television industry, GFCI's are a type of distribution box that provide over-current protection and protection when a ground current leakage of greater than 6ma (milliamps) is detected. All lighting fixtures and other equipment plugged into the GFCI will automatically power off, preventing anyone on set from getting an electrical shock.

If moisture or water comes in contact with a fixture plugged into a cable and distribution system on set/location, a dangerous situation could be present creating a ground fault. The electricity will follow the path of least resistance. Your power source must be grounded and/or bonded so the electrical fault with travel along the Ground wire/line to earth, where the energy can safely disperse.

Class A GFCI's (which are rated at a maximum trip level of 6ma) shall be used on all circuits in damp or wet locations, except where the control emergency systems are exit lighting, fire alarm systems, etc. William F. White International supplies a variety of different sized GFCI distribution boxes, Ground Proving Devices, and grounding packages with our generators.

The following is a listing of GFCI's carried in our inventory, available for rental:

- 1 x 60 Box GFCI (6 MA Class "A")
- 3 x 20 Box GFCI (6 MA Class "A")
- 3 x 60 Box GFCI (6 MA Class "A")
- 6 x 50 Box GFCI (6 MA Class "A")
- 100 Amp GFCI (6 MA Class "A")
- 125 Amp Shockblock GFCI (6 MA Class "A")
- 250 Amp GFCI (6 MA Class "A")

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