

HIGH VOLTAGE GROUND MONITOR



DESCRIPTION

The C120 High Voltage Ground Monitor is an impedance-type ground monitor that can operate in either of two modes: UVR Mode or Non-UVR Mode. Mode selection is made by changing the position of the "C1" lead on the rear of the unit. The unit is normally shipped wired in the UVR Mode. The UVR Mode is fail-safe where the Non-UVR Mode is not fail-safe.

In the UVR Mode, the monitor and the relay will energize when control power is present and the pilot-ground loop is complete with normal continuity. If the ground loop is "lost" (impedance increases 3 ohms or more after proper initial adjustments of the unit) the monitor relay will trip (de-energize) and the face plate indicator will indicate "Tripped." The monitor is shipped wired for manual ("lockout" or "hand reset mode") and can be wired for automatic reset by the addition of a jumper on the rear terminals. When this jumper is added, the trip indicator continues to function, but the relay will automatically reset when the ground loop is restored.

In the Non-UVR Mode, the relay is normally de-energized. The relay energizes to perform a trip function only when control power is present and the ground loop is open. To utilize the advantages of the monitor in the Non-UVR Mode, the associated circuit breaker must employ a potential trip device. As with the UVR Mode, the lockout function can be defeated with a jumper. With this jumper (while in the Non-UVR Mode) the relay states are reversed (lock-out puts the relay into an energized state instead of de-energized.)

SPECIFICATIONS

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| Input Voltage: | 130 -145 VAC |
| Operating Temp: | -12 to +49 C |
| Storage Temp: | -45 to +85 C |
| Enclosure Type: | Panel Mounted Stainless |
| Dimensions: | 3.8" x 2.8" x 3.6" |
| Mounting: | 4 holes, (4) 1/4" #20 screws |
| Weight: | 6 lb |