



GM710A GROUND MONITOR INTRODUCTION

GM710A – Ground Monitor Relay

Specifications:

- 120 VAC Operating voltage
- Relay output for 120 Volt AC UV Trip circuit breakers – 5 A contact rating
- Ground Fault trip level – 2 amps max.
- Ground monitor – Trips at 3.0 ohms or more
- 2 amp circuit breaker for control power protection

Operation:

1. The GM710A is a solid state ground monitor relay intended to monitor for a ground fault or an increase in the ground circuit resistance of the particular feeder cable / circuit that it is installed with. Do not install a Zener diode in the circuit, it is not required for the GM710A operation.
2. The relay is easy to operate. When power is applied to the unit the **Control Power** indicator light (yellow) will illuminate, showing that power is on. If the **Control Power** indicator light (yellow) does not illuminate, press the **Control Breaker** button (white) to reset the control power circuit breaker.
3. Press the **Reset** button to initiate monitoring.
4. If there is a ground fault, the **Ground Fault** light (red) will illuminate until such fault is cleared.
5. If the ground resistance is above 3 ohms the **Pilot Fault** light (red) will illuminate. The unit will not be able to be reset until this condition is cleared.
6. If the ground resistance is below 3 ohms (ground/pilot circuit is complete) the **Pilot Complete** light (green) will illuminate and the unit can be reset.

ATTENTION—pressing the Test button will shut down the corresponding outgoing circuit.

7. To test the unit, press the **Test** button (black) and the unit will trip, resulting in a trip of the associated circuit breaker.
8. Press the **Reset** button (black) to reset the unit. The associated circuit breaker will have to be manually reset upon resetting the ground monitor relay. If the unit does not reset, it will be necessary to clear the problem before proceeding.