

**Two-Pole TYPE THQL-GFCI; THQB-GFCI and THQC-GFCI Class A Group I  
Ground Fault Circuit Interrupter (GFCI) Circuit Breaker**

Only for Systems with 120V A-c Line-to-Ground Voltage (120/240VAC and 120/208VAC)  
With or without an Equipment Ground

*Installation Should Be Made Only By A Qualified Electrician*

**INSTALLATION TIPS**

There are several installation peculiarities which may incorrectly indicate a defective GFCI. The following will aid in correctly identifying a system's problem from a defective device.

**Neutral (White) Wire Is Grounded On The Load Side Of The GFCI** — This device is designed to trip if the resistance between neutral wire and ground on the load side is less than 2 ohms. If the GFCI trips as soon as energized, but with no load on the circuit, this may be the problem, and the neutral ground must be cleared for proper operation of the GFCI.

**Equipment Ground and Neutral Connected on Load Side** — This type of wiring will cause the device to trip exactly as explained above.

**Excessive Leakage to Ground** — Leakage currents in excess of the trip level of the GFCI 6 milliamp sensitivity between live parts of the system wiring and ground, or between the live side of wiring within equipment and its housing, will cause the device to trip.

**Electric Ranges and Clothes Dryers** — Appliances whose frames are grounded by connection to grounded circuit conductor should not be connected in the load circuit of this device.

**Swimming Pool Circuit** — Connect only to swimming pool equipment that has been installed in accordance with the 1965 or later National Electrical Code.

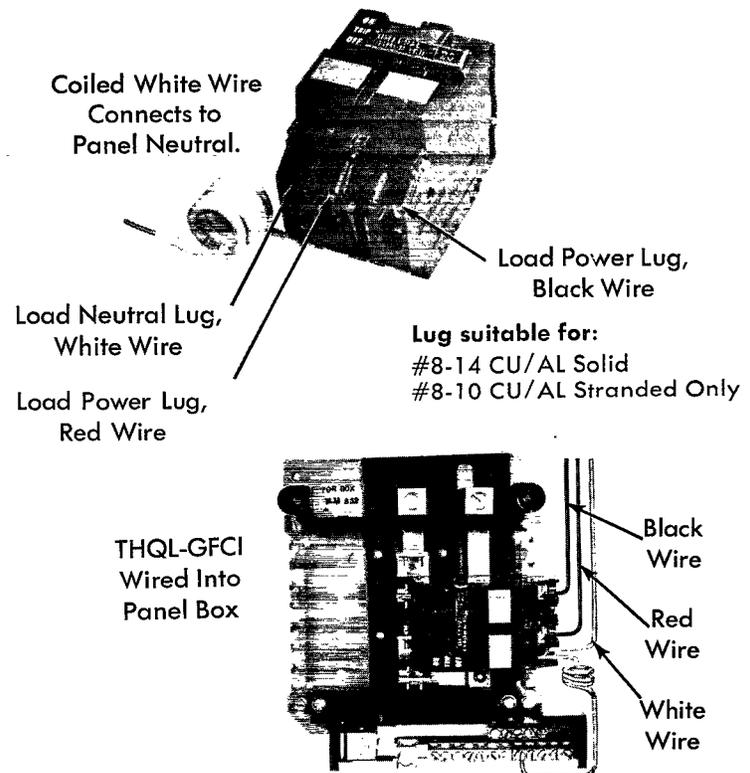
**WARNINGS**

- Turn Off Power To Panel Before Attempting Installation.
- Observe Markings On Breaker For Proper Wiring. Do Not Reverse Feed The Breaker.
- Remove All CB3 GFCI's From Circuit Before Performing Any High Voltage Systems Tests.

1. Move handle of breaker to "OFF" position.
2. Connect the coiled white wire furnished with the GFCI Breaker to a terminal on the neutral on the panel.
3. *On 120/240Vac load applications* connect the **WHITE** insulated neutral load wire of the circuit to be protected to the breaker terminal lug marked **LOAD NEUTRAL**.  
*On 240Vac load applications* where the neutral is not required, no connection is made to the breaker terminal lug marked **LOAD NEUTRAL**.
4. Connect the **BLACK** insulated load wire of the circuit to be protected to the breaker terminal lug marked "LOAD POWER."
5. Connect the **RED** insulated load wire of the circuit to be protected to the remaining breaker terminal lug.

*Check to assure the GFCI Breaker is still in "OFF" position and all wires are properly connected.*

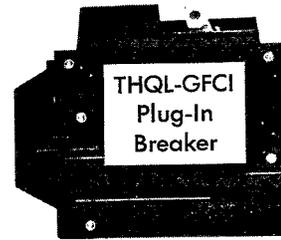
(Continued on Reverse Side)



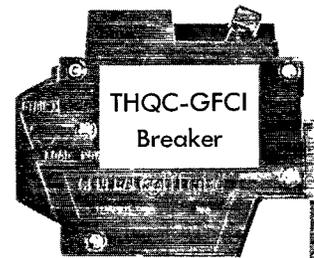
*These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the General Electric Company.*

## FUNCTIONAL CHECKS

6. Install the wired GFCI breaker in the panel.
7. Restore power to panel.
8. Move breaker handle to the "ON" position. If the breaker trips, go to step 9. If breaker remains in the "ON" position, go to step 10.
9. If handle moved to the TRIP position in Step 8.
  - TURN OFF POWER TO PANEL.
  - Disconnect the RED and BLACK "LOAD POWER" and the WHITE "LOAD NEUTRAL" wires from the breaker.
  - Restore power to panel.
  - Move breaker handle to the "ON" position.If handle now remains in the "ON" position, and trips when *either* TEST BUTTON is depressed, GFCI Breaker is operating properly and fault is in the system. Remove fault and again perform installation Steps 1 through 8.
10. Push *either* TEST BUTTON. If the handle moves to the "TRIP" position and load is disconnected, the GFCI Breaker is operating properly. To reset breaker, move handle to "OFF" and then to "ON" for normal operation.
11. After completing installation and assuring proper operation, attach the TEST REMINDER and RECORD CHART to the installation or give to user.



Bolt-On tab.  
DO NOT attach any  
wires to this tab.



*Instruct occupants of the importance of performing and recording monthly tests.*