



## Installation Instructions for G-Frame 1 Pole/277 VAC Ground Fault Circuit Breaker



### WARNING

**FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN DEATH, PERSONAL INJURY OR PROPERTY DAMAGE. CUTLER-HAMMER IS NOT LIABLE FOR THE MISAPPLICATION OR MISINSTALLATION OF ITS PRODUCTS.**

#### Introduction

The user is cautioned to observe all recommendations, warnings, and cautions relating to the safety of personnel and equipment, as well as, all general and local health and safety laws, codes, and procedures.

1. To be installed by a qualified electrician only.
2. Install ground fault circuit breaker on a single phase 277 VAC grounded power supply system only.



### WARNING

**TURN OFF POWER AT THE MAIN BREAKER BEFORE COMMENCING INSTALLATION. FAILURE TO DO SO WILL RISK ELECTRICAL SHOCK AND POSSIBLY DEATH, PERSONAL INJURY OR PROPERTY DAMAGE.**

3. To latch the ground fault circuit breaker, move the handle firmly to the extreme "OFF" position.
4. Bolt the ground fault circuit breaker into the desired pole position (See Fig 1).
  - A. Connect the coiled, white "pigtail" wire from the ground fault circuit breaker to the panel or enclosure neutral bus terminal and secure tightly.
  - B. Connect the white (neutral) load wire to the terminal directly above the "pigtail".
  - C. Connect the black (hot) load wire to the remaining fault circuit breaker terminal.

5. Apply power to the system, turn to "ON".
6. If the breaker trips (handle moves to the center tripped position), remove loads from the circuit, one at a time. Try to energize the ground fault circuit breaker each time to see if it will reset and stay "ON". To reset, push the handle to the extreme "OFF" position and then to the "ON" position. When the ground fault circuit breaker can be reset, without tripping, check the last load for a faulty condition. Poor insulation, shorted wires, wet connections, wet conduit, a pinched or bunching neutral lead to a ground metal box and other faults can cause the safety features of the ground fault circuit breaker to open the circuit. Replace or repair the defective condition before using the device.
7. Testing the ground fault circuit breaker: Pressing the AMBER "TEST" button will thoroughly test all ground fault features. The breaker handle will move to the center position indicating ground fault protection. Test monthly in accordance with the recommendations of the Underwriters Laboratories, Inc.
8. After completion of the installation, attach the trim label (Style # 5655B68H02) to the panel. Give the test reminder card (Style # 5655B67H02) to the user or place in a conspicuous location to remind the user to test the ground fault circuit breaker monthly.
9. 30 mA ground fault equipment protectors are not intended for ground fault protection of personnel coming in contact with electrical parts. They protect equipment from harmful leakage current only.

**CAUTION: DO NOT REVERSE-FEED OR BACK-WIRE, AND DO NOT SUBJECT TO MEGGER, HIGH VOLTAGE OR HIGH-POT TEST. REMOVE THE GROUND FAULT CIRCUIT BREAKER BEFORE HIGH POTTING OCCURS ON THE CIRCUIT OR THE SYSTEM.**

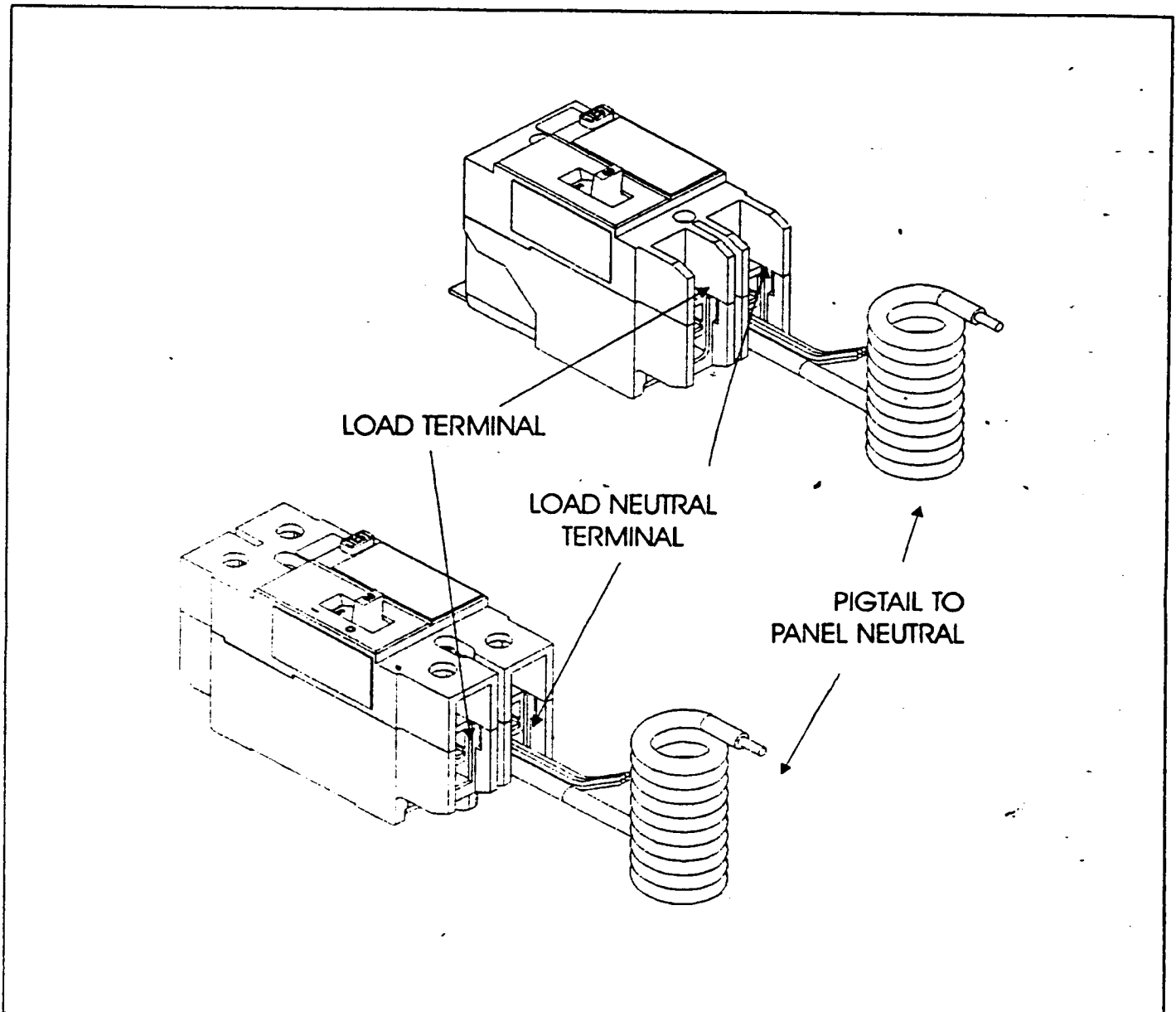


Figure 1. Ground Fault Circuit Breaker Connection Diagram

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