



**AMERICAN ELECTRIC EQUIPMENT, INC.**

**P.O. BOX 710 BECKLEY, WV 25801**

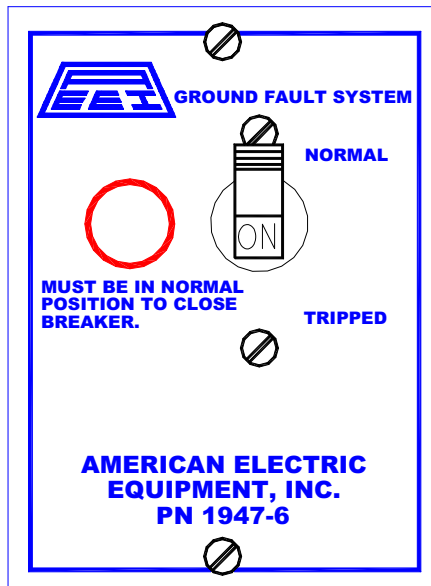
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**1947-6 GROUND FAULT  
WITH 0.25 SECOND TIME DELAY**

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**Features**

- ✓ Flexible CT input: 350-5 CT equals 3 amp trip; 100-5 CT equals 7 amp trip.
- ✓ No adjustments are required to place into operation
- ✓ Harsh environment operation; no sensitive electronic components to fail
- ✓ Optimized for use on 15 A or 25 A resistance grounded systems
- ✓ Direct replacement for many trip devices
- ✓ Latched Fault indication
- ✓ Has a time delay of 0.25 seconds

**Description**

The 1947-6 GROUND FAULT SYSTEM provides form C contacts to be used to trip circuits in the event of a ground fault requiring a 0.25 second time delay.

When the indicator is in the NORMAL position terminals 3 & 4 are closed and terminals 3 & 5 are open.

When the indicator is in the TRIPPED position terminals 3 & 4 are open and terminals 3 & 5 are closed.

**Operation**

Connect ground fault as shown on drawing.

Set the ground fault indicator to the NORMAL position.

When a ground fault is sensed by a zero sequence CT the indicator will move to the TRIPPED position.

Testing

The GROUND FAULT TEST pushbutton can be used to test the ground fault without disconnecting wires.

GROUND FAULT TEST passes a test current of approximately 2.5 amps 4 times through the CT core to simulate a ground fault condition. This test will completely test the 1947-6 ground fault circuit including all CT connections. This test does not check grounding resistor integrity.

**ORDERING INFORMATION**

GROUND FAULT PART NUMBER: B-1947-6

300-5 CT PART NUMBER: A-1247

AIR PAX BREAKER: A-1779

N.O. PUSHBUTTON: A-1349-1

50 OHM 12 WATT RESISTOR: A-045-1

.25 SEC SOLID STATE TIMER: A-3325

10 POLE TERMINAL BLOCK: A-1494-10

33 MFD 63 VOLT CAPACITOR: A-1616

MINIBRIDGE RECTIFIER: A-1617

500 OHM 5 WATT RESISTOR: A-1916-9

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