

In reference to Step 2 of testing procedure:

Ground Indication: One or more fault lights turn on. If a ground exists on one or more phase wires, the respective fuse will blow, allowing the fault lights to turn on. DO NOT SET METER.

Short Circuit Indication: One or more fault lights turn on. If a phase to phase, phase to ground, or phase to neutral short circuit exists, one or more fuses will blow and allow the respective fault lamp to turn on. DO NOT SET METER.

Backfeed Indication: One or more fault lights turn on. If an out of phase backfeed exists and is not detected in Step 1 one or more fuses will blow, allowing the respective fault lamps to turn on. DO NOT SET METER.

A.E. Products
1349 South Killian Drive
Lake Park, FL 33403

Phone: 561.848.7756 • Fax: 561.848.2372

Email: sales@aeproducts.net

Website: www.aeproducts.net

Polyphase Socket Tester Installation/User Manual



Testing Instructions

Step 1:

Place Polyphase Tester so the bottom (load) blades of the tester touch the bottom (load) of the meter socket.

1. If the safe lights DO NOT TURN ON, proceed to Step 2.
2. If safe lights turn on it indicates backfeed, internal jumpers in the socket, or reverse of line and load wires. DO NOT proceed to Step 2 and DO NOT set the meter.

Step 2:

Insert the Polyphase Tester into the meter socket.

NOTE: The customer's main switch should be open for this test. If this cannot be done, it is possible to blow the fuses in the tester and cause the fault lights to turn on provided an energized load of 30 amps or more is present. The meter installer should be aware of this possibility and should proceed according to utility policy.

1. If only one safe light or any fault lights turn on, DO NOT set the meter. After the problem is corrected, replace the blown fuses and repeat the testing procedure.
2. If both safe lights turn on and no fault lights turn on, it is safe to set the meter.

Analyzing the Results

In reference to Step 1 of testing procedure:

Backfeed Indication: One or more safe lights turn on. The Polyphase Tester will not detect a backfeed condition where both load terminals are fed by the same phase. DO NOT SET METER.

Internal Jumper Indication: One or more safe lights will turn on. This test will detect any devices that jumper or connect the line and load terminals in the socket. DO NOT SET METER.

Reversal of Line & Load Wires Indication: Both safe lights will turn on. If the socket box is wired incorrectly resulting in load wires connected to the bottom terminals of the socket, both safe lights will turn on. DO NOT SET METER.

Continued on Back Page