

STB ELECTRICAL TEST EQUIPMENT, INC.

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OPERATING INSTRUCTIONS FOR MODEL 4600 – PHASE ROTATION INDICATOR

I. DESCRIPTION

- A. The Model 4600 Phase Rotation Indicator operates similar to a three phase induction motor where the rotor follows a rotating magnetic field.
- B. The terminals are marked 1A (Red), 2B (White), 3C (Blue), so when they are connected up; 1 to 1, 2 to 2, and 3 to 3 on the terminals of an AC source that is labeled 1, 2, and 3; the voltage wave in each phase shall reach its maximum value in this order.
- C. The rotation of the indicator should be clockwise, in the direction of the arrow.

II. TO DETERMINE DIRECTION of PHASE ROTATION or SEQUENCE of the ENERGIZED SUPPLY

- A. Connect the three clips A1, B2, and C3.
- B. Depress the push button to stop.

NOTE: Excessive force of the push button may cause damage to the switch.

- C. Observe the direction of rotation of dial.
 - 1. Clockwise rotation means the phase sequence is A-B-C.
 - 2. Counter Clockwise rotation means the sequence of the phase is C-B-A.

NOTE: If the Phase Rotation Indicator fails to operate:

- A. Make sure that **all** three phases are energized.
- B. Make sure the button is fully depressed.

WARNING! WARNING! WARNING! WARNING!

**This unit is not designed for continuous use, ONLY intermittent use.
Continuous use can destroy unit or make it malfunction.**

**ALWAYS USE PROPER INSULATED GLOVES AND SAFETY GLASSES WHILE WORKING
WITH HIGH VOLTAGE!**

Note: Since STB Electrical Test Equipment, Inc.® has the policy of continuous product improvement, we reserve the right to change design, specifications and/or prices without notice.