

Phase Rotation Tester

SPECIFICATIONS

20 to 600 V	AC, 50/60/400 Hz
12 VDC	
700 VAC, Ph	ase-to-Phase
9V, Included	
3000 VAC, Leads to User	
Red Yellow	Phase Loss/No Voltage Low Battery
Momentary Test Button	
Green Red	Normal Rotation/Sequence Reverse
Operate Storage	32° to 113°F (0° to +45°C) -40° to 140°F (-40° to +60°C)
100ms	
18", color coded, battery clip type	
3.75 x 2.625 x 1.5 inches	
NET: 4.16 o	z
	12 VDC 700 VAC, Ph 9V, Included 3000 VAC, L Red Yellow Momentary Green Red Operate Storage 100ms 18", color colors 3.75 x 2.62

The PRT-100 is a hand-held tester that takes the guesswork out of connecting a 3-phase motor. The direction of rotation of a motor depends on phase sequence of the power line connections. If the sequence is reversed, the motor will run in the wrong direction, possibly damaging the equipment connected to the motor. The PRT-100 identifies the leads of a three-phase motor and detects the sequence of a threephase power line. Once the motor and line leads are properly identified, the motor can be wired so that it turns in the desired direction on the first try. The unit also detects phase loss and no voltage conditions.

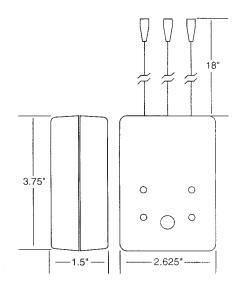
OPERATION

To identify the leads of a three-phase line, connect the tester to the energized line and press the test button. Either the normal or reverse LED will glow. If the reverse LED glows, switch two leads and press the test button again. The normal LED should now glow. Label the threephase line conductors according to the marking on the tester. If the loss LED glows, a phase loss or no voltage condition exists, and the normal and reverse LEDs are meaningless. Correct the loss condition and retest.

To identify the leads of a three-phase motor, connect the tester to the de-energized motor, turn the rotor in the desired direction, and press the test button. If the reverse LED glows, switch two leads and repeat. The normal LED should now glow. Label the motor leads according to the markings on the tester. NOTE: the loss LED will glow during motor testing. This is normal since the turning motor generates less than 20 volts.

De-energize the three-phase line and connect the line conductors to the matching motor leads. When the motor is energized, it will run in the desired direction.

DIMENSIONS (INCHES)



ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
PRT-100	Phase Rotation Test