

Single & Three Phase Voltage Monitor

PBO-T

Specifications

Electrical

Line Voltage: 115, 208, 230 & 265VAC, 1Ø 208, 230, 380, 460 & 575VAC, 3Ø

Frequency: 45 to 65 Hz Over/Under Voltage: ±15%

Phase Imbalance: Trip: 8%, Reset: 7%

Phase Rotation: A - B - C

Time Delays:

Trip Time: 5 seconds (1 Second @ ±20%.

Single Phasing 3Ø line) Re-Start: 5 Seconds on power up 30 Seconds after fault Set-Up: Automatic, based on jumper

LED:

Good: Continuous Green Fault Rotation: Flashing Red (3Ø) Fault Voltage: Solid Red

Power Consumption: 1VA Output Rating @ 25°C: 10 Amps @ 120VAC

> 6 Amps @ 277VAC 1/8 HP @ 120/277VAC 5 Amps @ 20VDC

Physical

Mounting: Surface Mounting with 1/4"

& 0.187" push-on tabs

Termination:

Line Side: 1/4" Push-On Tabs Control Side: 0.187" Push-On Tabs

Packaging: Epoxy Fill Weight: 5 Ounces

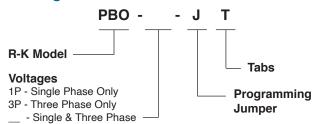
Ambient Temperatures

Operating: -40°C to 65°C Storage: -40°C to 85°C

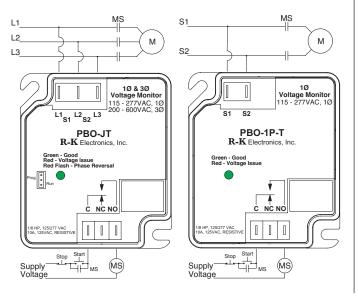
1Ø VOLTAGES: 3Ø VOLTAGES:

115VAC, 1Ø	1 Red Flash	208VAC, 3Ø	1 Green Flashes
208VAC, 1Ø	2 Red Flash	230VAC, 3Ø	2 Green Flashes
230VAC, 1Ø	3 Red Flash	380VAC, 3Ø	3 Green Flashes
265VAC, 1Ø	4 Red Flash	460VAC, 3Ø	4 Green Flashes
		575VAC, 3Ø	5 Green Flashes

Ordering Information



Connections



Operation

To select the line voltage, place the

jumper in the "Prog"

Voltage Ranges:

- 115 to 265VAC, 1Ø
- 208 to 575VAC, 3Ø

Self-Powered

SPDT Relay Contacts

22 Built-In Voltage Selections

Monitors:

- Over & Under Voltage
- Plase Loss
- 115 to 265VAC, 1Ø
- 208 to 575VAC, 3Ø

position before powering up the equipment. The PBO will compare the line voltages present at the time of power up to the 9 voltages available in the PBO. If the line voltage matches one of the line voltages designed into the PBO and all of the pre-programmed tolerances, the output relay will energize after the evaluation period. Place it in the "Run" position to avoid re-programing on each power up.

Green LED - Good

- Line Voltage Issue Red Solid Red Flashing - Reversed Phases

To determine what voltage range the PBO is set for while in operation, remove the jumper. The LED will indicate the voltage range by flashing red or green in a sequence corresponding to the selected voltage.

Dimensions

