



Modbus Single & Three Phase Voltage Monitor

PBO-MRTU

Specifications

Electrical

Line Voltage: 115 to 277VAC, 1Ø
200 to 600VAC, 3Ø

Supply Voltage: 12 to 24 VAC/VDC

Frequency: 45 to 65 Hz

Over/Under Voltage: 3% to 15%

Phase Imbalance: 3% to 15%

Phase Rotation: A - B - C

Time Delays:

Trip Time: 1 Sec. to 10 Sec. @ ±20%

Re-Start: 1 Sec. to 5 Min. & Manual Reset

LED:

Power: Continuous Green

Transmitting Data: Flashing Red

Communications on Network: Flashing Green

Power Consumption: 1VA

Termination: Pluggable Terminal Block

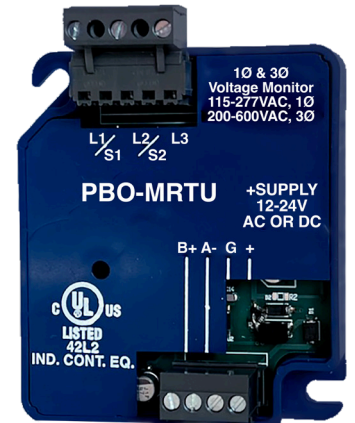
Packaging: Epoxy Fill

Weight: 5 Ounces

Ambient Temperatures

Operating: -40°C to 65°C

Storage: -40°C to 85°C



Voltage Ranges:

- 115VAC, 1Ø to 277VAC, 1Ø
- 200VAC, 3Ø to 600VAC, 3Ø

Self-Powered

21 Built-In Voltage Selections

All settings are Read/Write

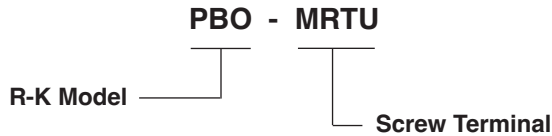
Data is Communicated Via ModbusRTU

Power and Communications Status LED

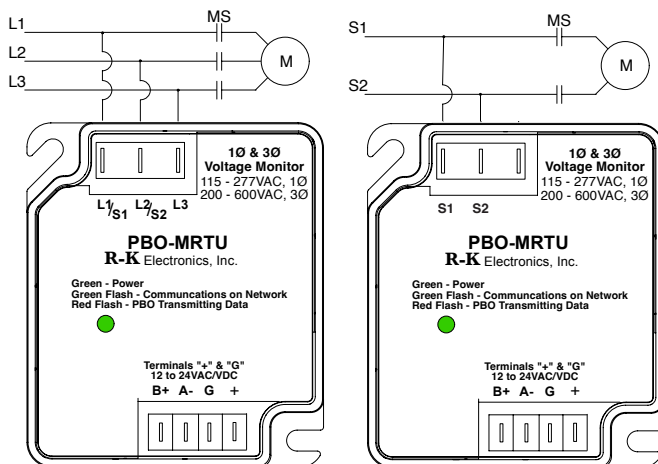
Physical

Mounting: Surface or DIN

Ordering Information



Connections



Operation

The PBO-MRTU monitors 21 single and three phase voltages and tolerances pre-programmed into the PBO and communicates all of the voltages, set-points and faults via ModbusRTU. All voltages and setting address are available as read/write. There is no output relay in the PBO-MRTU.

The Modbus addresses are downloadable at

www.rke.com/downloads

The LED operations are as follows:

Continuous green LED – The PBO-MRTU has power

Green Flashing LED – The PBO is detecting communications on the Modbus network

Red Flashing LED – The PBO-MRTU is transmitting data on the Modbus network

Dimensions

