

Specifications

Electrical

Line Voltage: 110VAC to 600VAC, 3Ø Frequency: 60Hz, 300 Series 50Hz Line Voltage Ranges: 100 Series - 110VAC to 120VAC, 3Ø 200 Series - 208VAC to 240VAC, 3Ø 300 Series - 380VAC to 415VAC, 3Ø 400 Series - 440VAC to 480VAC, 3Ø 600 Series - 575VAC to 600VAC, 3Ø

Maximum Overvoltage:

10% of highest nominal voltage **Maximum Frequency Shift:** 0.1Hz **Phase Rotation:** A - B - C **Phase Loss:** 18% Low Voltage in one phase **Time Delays:** Pick-up: 5 Sec. Fixed Drop-up: 5 Sec. Fixed **Power Consumption:** 16VA

Ordering Information

Phase Loss & Reversal Relay

Output Relay:

PRR - 7 Amps @ 240VAC 2 Amps @ 600VAC PRRO/L- 7 Amps @ 120VAC 5 Amps @ 240VAC 100,000 Full Load Electrical Cycles 10,000,000 Mechanical Cycles

Physical

Mounting: Surface Termination: Screw Terminals Packaging: Dust Cover Weight: 8 Oz. Approx.

Ambient Temperatures

Operating: 0°C to 40°C **Storage:** -10°C to 85°C



DIN Rail Bracket #DRB-3

Dimensions



Connections

The PRRs should be connected to the line voltage on the load side of the last line fuse before the motor and on the line side of the starter (MS).

- M = Motor
- MS = Motor Starter
- OL = Overloads



PRR/O/L



- 10 Amp Relay
- SPDT or DPDT
- Pick-up & Drop-out Delays
- Phase Loss
- Phase Rotation
- 240 Volt Control Contact Rating
- Normal Condition LED



Operation

Phase Loss & Reversal Sensing The PRR's output contacts energize when:

- 1. All the phases are present;
- 2. The phases are in the proper rotation
- 3. The frequency is within the tolerance.

If the phase rotation of the incoming three phase lines is reversed, the internal relay will de-energize. Single phase conditions will be detected if there is an 18% loss of voltage in one phase.

