bramco ELECTRONICS

Phase Rotation/Loss Monitor - PRM

BRAMCO ELECTRONICS Product Sheet

Application

The Bramco Phase Rotation/Loss Monitor module provides phase rotation, phase loss of a 3 phase circuit. Suitable for Neutral referred circuits.

Features

The PRM is a compact, panel mounted, low power, three phase monitor device to provide phase rotation and phase loss monitoring. Separate voltage free relay contacts with common input, to PLC, provided for:

- PV Phases OK
- CW Phases Rotation
- CCW Phase Rotation

The three line/load phases and Earth to be monitored are connected to the module.

Suitable for system voltages:

- 415-1100v and
- Powered from 110vAC

LED's for:

- Power On
- Phases OK
- Phase Rotation CW
- Phase Rotation CCW
- Phase A, B, C (ON, if phase is missing)

Easy Installation

- Mount the PRM monitor close to the point of connection.
- Connect the 3 phase wires and the Earth wire.
- Connect the control voltage.
- Connect the contacts as required

The PR Module is now ready to operate.

Operation

On power up, if the 3 phases are powered, the phase OK contact will close.
Also either CW or CCW contact will close.

Loss of a phase will open Phase OK contact and Phase Rotation contact will remain closed. When all phases are removed PR contact will open. Phase LEDs show any phase missing.

Specifications

System Voltage
- 415-1100v 50/60Hz (module alone). Select voltage required ie 1000vAC

Phase Voltage
- 240-635vAC

AC Voltage
- 2000vAC 1 minute (Ph to E)

Phase Loading to Earth
- 6.8 meg Ohms AC/DC

DC Voltage
- 2000vDC 1 minute (PH to E)

Phase Loss
- 210vAC to earth

Operation Delay
- Typical 2 seconds

Contacts
- 3x2A 120vAC 30vA maximum

PRM Power Input
- 110vAC 50/60Hz

Operating Temperature
- 0-60°C

Dimensions
- 70Wx75Hx120D

Material
- High impact resistant polycarbonate

Mounting
- DinRail and Screw mounting

Terminals
- Cage screw terminals

Weight
- 500gm

Ordering Information

A00830	PRM Module Bramco

BRAMCO
ELECTRONICS

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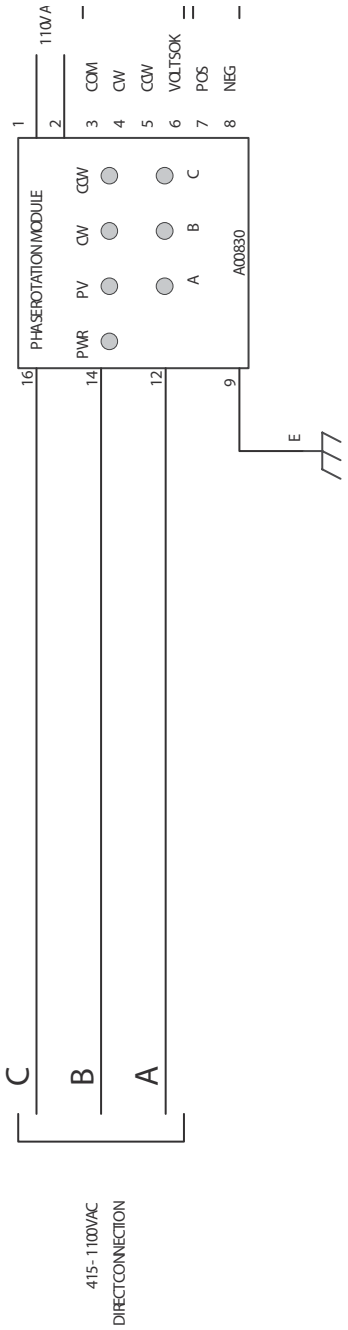
Connection Diagram



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