



## Phase Rotation/Loss Monitor - PRM

### 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

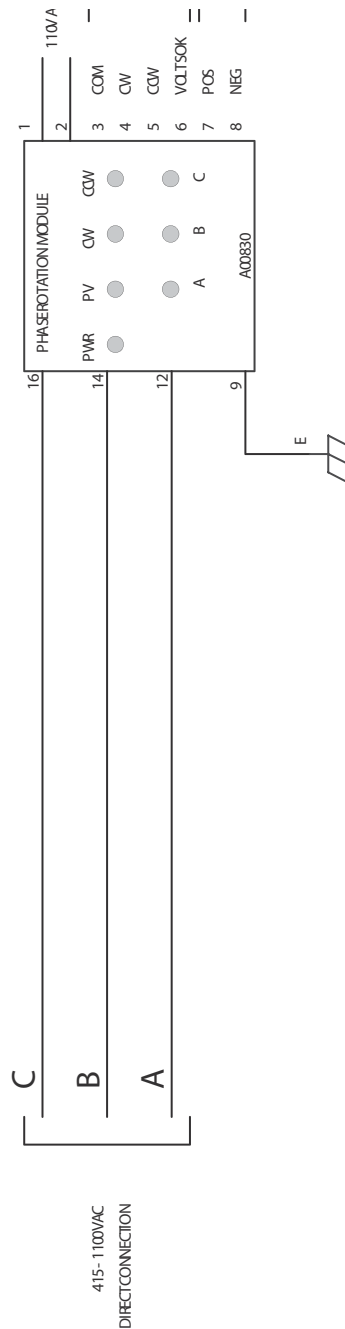
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PRM Module Bramco



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### Connection Diagram



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