



## DATA SHEET



### Technical Specification:

- Input supply 300 to 480V A.C. phase to phase
- Supply frequency 48-63 Hz
- Temp range -20 to 60°C
- Relay output 8A 250V A.C. resistive  
3A 250V A.C. inductive 8A 24V D.C.
- Din rail mounting

# 3 phase sequence failure detector

Designed to protect 3 phase motors and industrial equipment from overheating

### Description:

Designed to protect 3 phase motors and industrial equipment from overheating due to a phase failure. When one phase goes down motors can seem to run normally. It is not until the motor overheats that it is detected, which may be too late. The phase failure detector cuts the power instantly and only restores it when all 3 phases are present.

### Connections:

Connect red, blue and yellow phases to corresponding terminals on the detector.

**NB:** neutral is not needed for this device.

The output to the detector is of 'normally open' or 'normally closed' volt free contacts.

With the 'red' LED off then the relay contacts will be as described ie: normally open is open in this condition.

**Green LED:** When **ON** power is ok

**Red LED:** When **ON** all the phases are:

- 1) present
- 2) correct sequence
- 3) above the voltage level set on the front of the case

### Setting the voltage adjustment:

With the power applied and phases correct, turn the knob fully clockwise and slowly turn back anti-clockwise till the relay is heard to drop in.