

# **Features:**

- 3Ø 3 Wire System
- Monitors Phase Loss, Phase Asymmetry, Over Voltage & Under Voltage
- LED Indication for Power ON & trip
- DIN Rail Mount
- DPDT Relay output

# **Technical Specifications**

### **Functional Specification**

Phase Imbalance 30V(Fixed) Hysteresis 6V

Voltage Accuracy  $\pm 1\%$  of Full Scale Time Accuracy  $\pm 5\% \pm 100$ ms Power ON Delay : 3s (Fixed)

TRIP SETTING

Phase loss

Phase Asymmetry 30V (Fixed)

Over Voltage Trip 10% Of Nominal Voltage Under Voltage Trip 15 % Of Nominal Voltage

Trip & Recovery Time Delay <120ms for Phase loss, Phase Asymmetry

<200ms for Over Voltage, Under Voltage

### RESET CONDITION

After removal of fault condition Reset automatically after hysteresis of 6V.

### **Output Specifications**

Output contact	DPDT(2C/0)
Contact rating	5A@250VAC res.

# **Supply Voltage**

Nominal Input Voltage 415V AC (phase to phase)

Power Consumption 50VA max

Operating Voltage 280 to 520V AC(L-L)

### **Environmental Specifications**

Temperature Operating: 0°C to 50°C

Storage: -20°C to 70°C

Humidity (non-condensing)

Weight

100gms

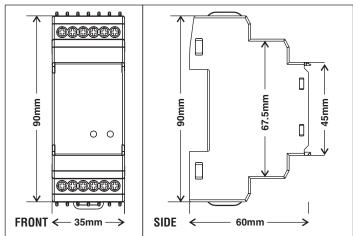
protection Level

IP30 For housing
IP20 Terminals

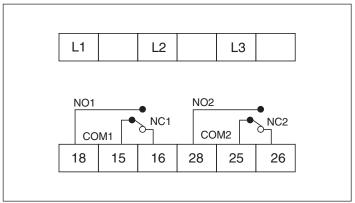
#### **LED Indication Chart**

Various Condition	ON LED	R LED	Relay
Healthy Condition	ON	OFF	Energised
Phase Asymmetry	ON	ON	De-Energised
Phase Failure	ON	ON	De-Energised

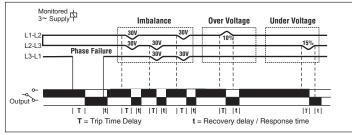
#### Dimensions



#### TERMINAL CONNECTIONS



# TIMING DIAGRAM



#### **ORDER CODE INFORMATION**

Product	Supply Voltage	Certification	
		CE	CUL US
SPPA2M2	280-520V AC(L-L),45-65 Hz	_	_