



FEATURES

- Voltage Monitoring 3-Phase/ 3 Wire, 3-Phase/ 4 Wire
- True RMS Measurement
- Power ON Delay, Trip Delay, Recovery Delay
- 2 Independent Relays (Protection or Alarm)
- Compact DIN Rail Design

FUNCTIONS

- Under/ Over Voltage Monitoring
- Under/ Over Frequency Monitoring
- Phase Asymmetry
- Phase Sequence Monitoring
- Phase Failure Monitoring

SPECIFICATIONS

Measuring Circuit

Measured Variable	3 Phase/ 3 Wire 3 Phase/ 4 Wire
Input	Terminal L1, L2, L3, N
Measuring Range	280-600VAC (L-L) 160-300VAC (L-N)

Settings

Under/ Over Voltage	280-600VAC (L-L) 160-300VAC (L-N)
Under/ Over Frequency	45/ 65Hz
Phase Asymmetry	5.0-99.9%
Overload Capacity	3 Phase 600V
Hysteresis Voltage	1.0-99.9V
Hysteresis Frequency	0.2-2Hz
Asymmetry	2-20%
Resolution Voltage	1V
Resolution Frequency	0.1Hz
Voltage Accuracy	+/-1% of set value
Frequency Accuracy	+/-0.3Hz
Time Setting Accuracy	+/-5% of setting

Input

Supply Voltage	280-600VAC (L-L) 160-300VAC (L-N)
Frequency	45/ 65Hz
Power Consumption	60VA max.

Output

Output Configuration	2 x SPDT (C/O)
Output Contact Rating	NO/ 5A@250VAC NC/ 3A@250VAC
Power ON Delay	2-99.9s
Trip Delay	0-99.9s
Recovery Delay	0-99.9s
Response Time	<200ms
Electrical Life	200,000 cycles
Mechanical Life	2,000,000 cycles
Switching Frequency	max. 60/min

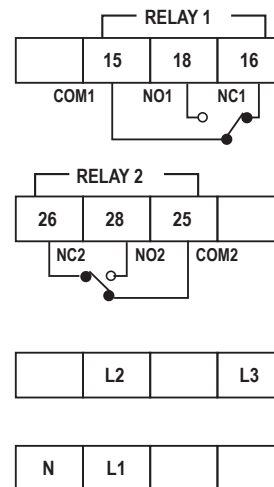
Material

Operating Temperature	0 - 55 C
Storage Temperature	-20 - 70°C
Protection Enclosure	IP20
Terminal Torque	0.5 Nm (4.2 lb in)
Wire Size Terminals	20-14 AWG
Weight	135g

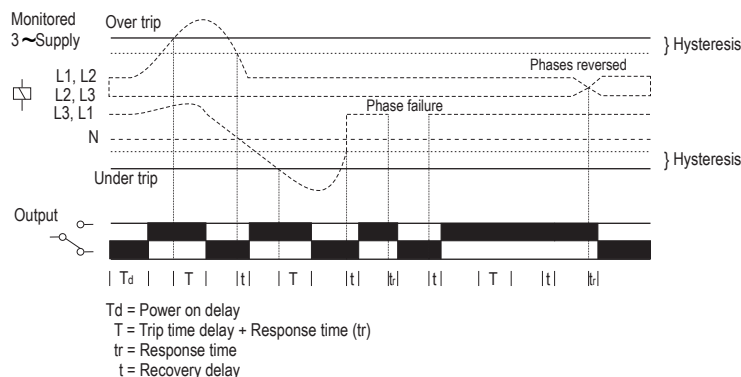
Indicators

LED 1 (Green)	Power ON
LED 3 (Red)	Relay 1
LED 3 (Red)	Relay 2

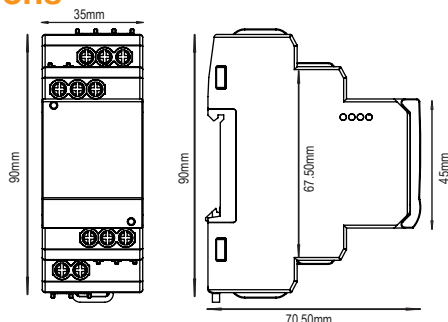
Terminal Connection



Timing Diagram



Dimensions



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