

Digital 3Ø Self Powered Voltage / Phase / Frequency Protection Relay Liquid Crystal Display

PROTECTION

FEATURES

- 3Ø - 3 Wire, 3Ø - 4 Wire Input
- Self powered
- Monitors Under voltage, Over voltage, Under frequency, Over frequency, Phase asymmetry, Phase failure and Phase sequence
- True RMS measurement
- Power ON delay, Trip time delay and Recovery time delay
- Adjustable switching Hysteresis
- Two separate alarm relays
- LCD
- Din Rail mount
- Size : 35mm (Width)



CAT. NO.

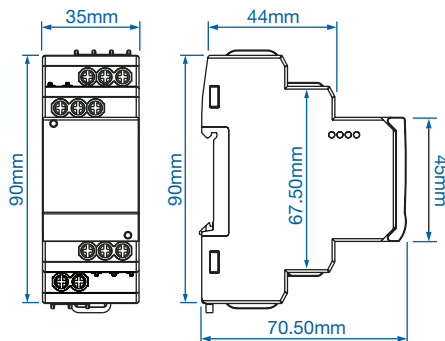
900VPR-2

Display	
Display Type	Liquid Crystal Display
Digits	1 row of 3 digits
LED Indication	LED 1: Power On, LED 2: Relay 1, LED 3: Relay 2
Supply Specification	
Input Voltage	Self Powered 280-520 V AC
Input Specification	
Input Measurement	Under Voltage / Over Voltage / Under Frequency / Over Frequency / Phase Asymmetry / Phase Failure / Phase Sequence
Trip Setting	Under Voltage: 280- 520 V AC [L-L] (3Ø-3 wire) 160-300 V AC [L-N] (3Ø-4 wire), Over Voltage: 280-520 V AC [L-L] (3Ø-3 wire) 160-300 V AC [L-N](3Ø-4 wire), Under Frequency: 45-65Hz / Over Frequency: 45-65Hz / Phase Failure: Yes / Phase Sequence: Yes / Phase Asymmetry: 5-99.9%
Measuring Range	280 - 520V AC [L-L]; 160 - 300V AC [L-N]
Output Specification	
Main Output	SPDT -2 C/O - NO: 5A, 250 V AC and NC:3A, 250 V AC
Functional Specification	
Trip Time Settings	Power ON Delay: 2-99.9 sec / Trip Time Delay: 0-99.9 sec / Recovery Time Delay: 0-99.9 sec / Response Time: <200ms
Alarm Indications	Trip
Hysteresis	Current: 0.1-99.9A
Latching	Selectable
Reset	Auto/Manual (Selectable)
Electrical Connection	3Ø-3 wire, 3Ø- 4 wire
Accuracy	
Voltage	+/-1%
Frequency	+/-0.3 Hz
Time Setting	+/- 5% of setting, +/-200ms
Environmental Specification	
Operating Temperature	0 to 55°C (32 to 131°F)
Storage Temperature	-20 to 70°C (-4 to 158°F)
Humidity (Non-Condensing)	95% Relative Humidity
Weight	135 grams (.31 lbs)
Protection Level	IP50 (for faceplate), IP30 (for housing), IP20 (for terminals)

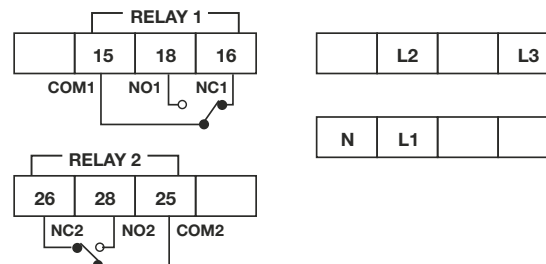
Ordering Information

Part No.	Supply Voltage	CE	RoHS	cULus
900VPR-2-280/520V-CU	280-520V AC	●	●	●

DIMENSIONS



TERMINAL CONNECTIONS



See pages 42-43 for timing diagrams.