

**FEATURES**

- 3Ø - 3 Wire, 3Ø - 4 Wire Input
- Monitors Under voltage, Over voltage, Under frequency, Over frequency, Phase asymmetry, Phase failure, Phase sequence and Neutral Loss
- True RMS measurement
- Power ON delay, Trip time delay and Recovery time delay
- Adjustable switching hysteresis
- Two alarm relay with NC or NO operation selectable
- LCD with backlight
- DIN Rail Mount
- Size: 35mm (Width)



**CAT. NO.**

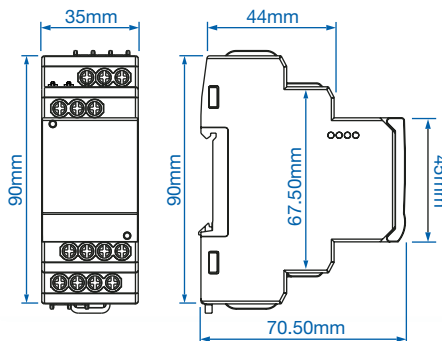
**900VPR-BL-U**

|                                    |   |
|------------------------------------|---|
| <b>Display</b>                     |   |
| Display Type                       | liquid Crystal Display with backlight   |
| Digits                             | 1 row of 3 digits   |
| LED Indication                     | LED 1: Relay 1, LED 2: Relay 2  |
| <b>Supply Specification</b>        |   |
| Input Voltage                      | 85-270 V AC/DC  |
| <b>Input Specification</b>         |   |
| Input Measurement                  | Under Voltage / Over Voltage / Under Frequency / Over Frequency / Phase Asymmetry / Phase Failure / Neutral Loss and Phase Sequence   |
| Trip Setting                       | Under Voltage: 85-500 V AC [L-L] (3Ø-3 wire) 50-288 V AC [L-N] (3Ø-4 wire),<br>Over Voltage: 85-500 V AC [L-L] (3Ø-3 wire), 50-288 V AC [L-N] (3Ø-4 wire), Under Frequency: 45-65Hz,<br>Over Frequency: 45-65Hz / Phase Failure: Yes / Phase Sequence: Yes / Phase Asymmetry: 5-30% / Neutral Loss: Yes |
| <b>Output Specification</b>        |   |
| Main Output                        | SPDT -2 C/O - NO: 5A, 250 V AC and NC:3A, 250 V AC  |
| <b>Functional Specification</b>    |   |
| Trip Time Settings                 | Power ON Delay: 0.5-300 sec / Trip Time Delay: 0-300 sec / Recovery Time Delay: 0-300 sec / Response Time: <120ms   |
| Alarm Indications                  | Trip  |
| Hysteresis                         | Voltage: 1-40 V / Frequency: 0.1-2 Hz / Asymmetry: 2-20%  |
| Latching                           | Selectable  |
| Reset                              | Auto/Manual (Selectable)  |
| Electrical Connection              | 3Ø-3 wire, 3Ø- 4 wire   |
| <b>Accuracy</b>                    |   |
| Voltage                            | 1V  |
| Frequency                          | 0.1 Hz  |
| Time Setting                       | +/- 5% of setting, + 200ms  |
| <b>Environmental Specification</b> |   |
| Operating Temperature              | -25 to 55°C (-13 to 131°F)  |
| Storage Temperature                | -25 to 70°C (-13 to 158°F)  |
| Humidity (Non-Condensing)          | 95% Relative Humidity   |
| Weight                             | 150 grams (.33 lbs)   |
| Protection Level                   | IP50 (for faceplate), IP30 (for housing), IP20 (for terminals)  |

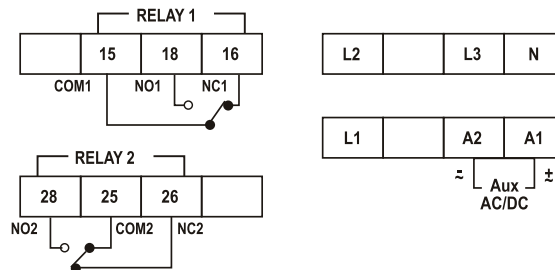
**Ordering Information**

|                  |                       |    |      |    |
|------------------|-----------------------|----|------|----|
| <b>Part No.</b>  | <b>Supply Voltage</b> | CE | RoHS | UL |
| 900VPR-1-BL-U-CE | 85-270V AC/DC         | ●  | ●    |    |

**DIMENSIONS**



**TERMINAL CONNECTIONS**



See pages 42-43 for timing diagrams.

PROTECTION