



96 x 96mm

## FEATURES

- 1Ø-2W, 3Ø-3W, 3Ø-4W
- Monitors Under Voltage, Over Voltage, Under Frequency, Over Frequency, Phase Asymmetry, Phase Failure and Phase Sequence
- Auto/Manual Reset
- Separate Power ON Delay, Trip Time Delay and Recovery Time Delay for each fault
- Separate Adjustable Switching Hysteresis
- Two Alarms output NO/NC

## Display Specifications

Type	: Digital
Display	: LED Display
No. of LED	: 19
No. of Push Button	: 3

## LED Indication Chart

Condition	UV	OV	UF	OF	PL	Pasy.	Pseq.
Normal Condition	OFF	OFF	OFF	OFF	OFF	OFF	OFF
UV Fault	ON	OFF	OFF	OFF	OFF	OFF	OFF
OV Fault	OFF	ON	OFF	OFF	OFF	OFF	OFF
UF Fault	OFF	OFF	ON	OFF	OFF	OFF	OFF
OF Fault	OFF	OFF	OFF	ON	OFF	OFF	OFF
PA Fault	OFF	OFF	OFF	OFF	OFF	ON	OFF
PL Fault	ON	OFF	ON	OFF	ON	ON	ON
PS Fault	OFF	OFF	OFF	OFF	OFF	OFF	ON

NOTE: If More than one faults occurs on both relays it will indicate faults by respected LED indication.

## Input Specifications

<b>Functions</b>	
Measurements	: Under Voltage, Over Voltage, Under frequency, Over frequency, Phase Asymmetry, Phase Loss, Phase sequence
Time Settings	: Power ON Delay, Trip Time delay, Recovery Time delay
Alarm Indications	: UV, OV, UF, OF, PAsy, PL, Pseq.
Reset	: Auto/Manual
Electrical Connection	: 1Ø-2W, 3Ø-3W, 3Ø-4W
<b>Measuring Range</b>	
RMS Value	: 280 to 520V AC(L-L) (for 3Ø-3W) : 160 to 280V AC(L-N) (for 3Ø-4W)
<b>Trip Settings</b>	
Under Voltage	: 280 to 520V AC(L-L) (for 3Ø-3W) : 160 to 280V AC(L-N) (for 3Ø-4W)
Over Voltage	: 280 to 520V AC(L-L) (for 3Ø-3W) : 160 to 280V AC(L-N) (for 3Ø-4W)
Under Frequency	: 45/65Hz
Over Frequency	: 45/65Hz
Phase Failure	: Yes
Phase Sequence	: Yes
Phase Asymmetry	: 0-999

## Trip Time Settings

<b>Trip Time Settings</b>	
Power ON Delay	: 0-999sec
Trip Time Delay	: 0-999sec
Recovery Time Delay	: 0-999sec
Response Time	: <100ms
<b>Hysteresis</b>	
Voltage	: 00.0-99.9%
Frequency	: 0.2-5Hz
Asymmetry	: 2-20%
<b>Resolution</b>	
Voltage	: 1V
Frequency	: 0.1Hz
<b>Accuracy</b>	
Voltage	: ± 1% of set value
Frequency	: ± 0.3Hz

## Output Specifications

No. of Relays	: 2
Type of Output (Relay)	: 1C/O (SPDT)
Relay Rating	: NO/5A@250V AC NC/3A@250V AC(res)

## Auxiliary Supply Specifications

Supply Voltage	: Self Powered 160V-280V AC(L-N)
Operating Range Power	: 45VA max
Consumption Frequency	: 45/65Hz

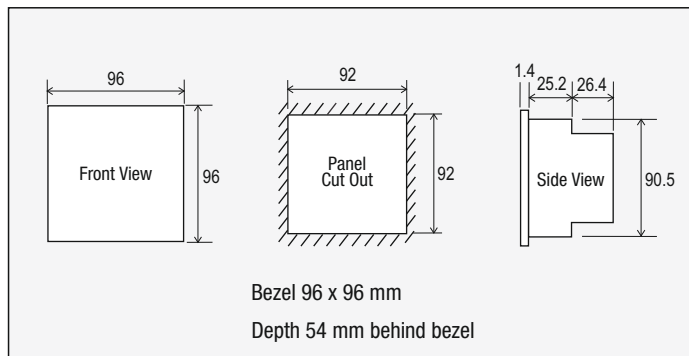
## Environmental Specifications

Temperature	: Operating Temperature : 0° to 55°C Storage Temperature : -20° to 70°C
Humidity (Non-condensing)	: 95%RH

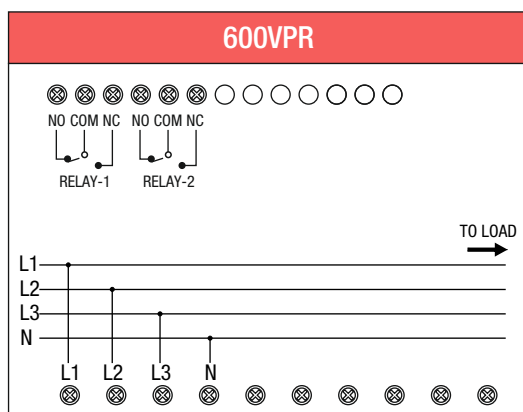
## Mechanical Specifications

Mounting	: Panel Mounting
Weight	: 154g
Screw Tightening Torque	: 0.5NM

### Mechanical Specifications



### Connection Diagram



### Ordering Information

Product Name	Discription
600VPR	160V to 280V AC(L-N)
	280V to 520V AC(L-L)