

300VPR

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

Functions

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

Measuring Range

(RMS Value)

Trip Settings

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

Trip Time Settings

Power ON Delay : 0-999sec

Trip Time Delay : 0-999sec

Recovery Time Delay : 0-999sec

Response Time : <100ms

Hysteresis

Voltage : 00.0-99.9%

Frequency : 0.2-5Hz

Asymmetry : 2-20%

Resolution

Voltage : 1V

Frequency : 0.1Hz

Accuracy

Voltage : $\pm 1\%$ of set value

Frequency : $\pm 0.3\text{Hz}$

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

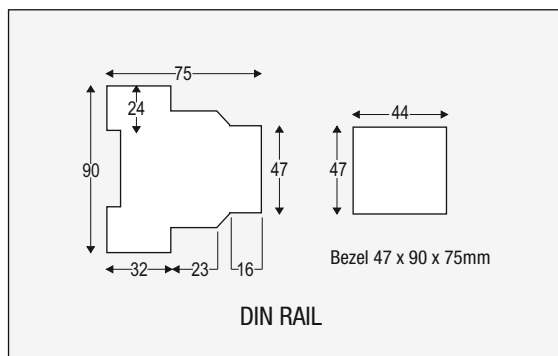
Mechanical Specifications

Mounting : DIN Rail

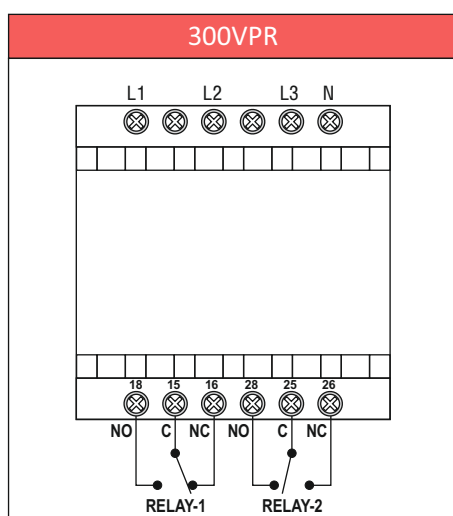
Weight : 135g

Screw Tightening Torque : 0.5NM

Mechanical Specifications



Connection Diagram



Ordering Information

Product Name	Discription
300VPR	160V to 280V AC(L-N)
	280V to 520V AC(L-L)