



VIPS-VFT 01
VOLTAGE & Hz RELAY



VIPS-AT 01
CURRENT RELAY

Model	VOLTAGE & Hz RELAY	CURRENT RELAY
Features	Programmable : A) Under / Over Voltage B) Under/Over Frequency C) Phase Failure D) Phase Reversal E) Voltage Asymmetry F) Power ON Delay & Auto Reset Time Configurable for 3 Phase & 1 Phase system Individual Faults can be deactivated as per system requirement Programmable Delay & Hysterises Auto / Manual Reset option Consistent reliability with high accuracy 3 Digit Bright Display to indicate Voltage / Hz. LED indication for healthy / faulty status	Programmable : A) CT Ratio B) Under / Over Current C) Phase Fail D) Phase Reversal E) Current Asymmetry F) Starting time delay & Auto reset time Configurable for 3 Phase & 1 Phase system Individual Faults can be deactivated as per system requirement Programmable Delay & Hysterises Auto / Manual Reset option Consistent reliability with high accuracy 3 Digit Bright Display to indicate Current. LED indication for healthy / faulty status
System	3 Phase 4 wire / 1 Phase system	
Burden on Supply	< 3 VA	
Delay	0.2 Sec. to 99 Sec.	
Relay Contacts	1 Potential Free Contact (NO, C & NC) (De-Energise on Fault)	
Contact Rating	6 Amps / 230 V AC / 28 V DC	
Nominal Voltage	240 VAC	---
Nominal Current	---	5 Amps (Any other on request, 30A Direct optional)
Set Point	Voltage : +/- 25% of nominal, Hz : +/- 10 Hz Voltage Asymmetry : 0 - 99 V Hysterisis : 1% - 10%	10% - 120% of nominal current
Accuracy	Class 1	
Operating	-10° C to 55° C, Storage: -20° C to + 75° C	
Humidity	< 95% RH (non condensing)	
Dimension	90 x 45 x 75 mm (L x B x H)	
Mounting	Din (35 mm rail) / 2 x m4 screw	
Weight	200 gms	

For Dimension refer diagram E on page no. 19

VIPS83M / VIPS-802

ENGINE / MOTOR PROTECTION RELAY



For Dimension refer diagram A on page no. 19

Dimension / Panel Cutout : 96x96 / 92x92

Description	ENGINE PROTECTION RELAY	MOTOR PROTECTION RELAY
Model	VIPS-802 (96x96)	VIPS83M (96x96)
Display	7 segment LED display, 0.56"	7 segment LED display, 0.39"
Digits	1 row of 3 digits	4 rows of 4 digits, Bargraph for % load current
System		3Ø-4 Wire
Auxiliary Supply	8.5VDC to 32VDC	90 - 270VAC / DC
Burdon on Auxiliary	<3VA	
Current Input	---	0.05 to 6.00 Amps
Burden on CT	---	<0.2 VA for Voltage & Current input
Resolution	---	Volts: 1V, Hz: 0.1 Hz, Amps: 0-99 : 0.1A, 100-999 : 1A, >1000 : 0.01kA
Relay Contact	Potential Free Contact (NO & NC) A) Alarm Relay, B) Stop / Fuel Relay (2C/O), C) Cranking Relay	1 C / O potential free contact (NO, C NC) De-energise on fault
Contact Rating	5 Amps / 230VAC / 28VDC	
Potential Free Input	A) Start, B) Emergency Stop, C) Low Oil Pressure D) High Coolant Temp. E) Low Fuel Level	
Analog Input	30 - 300 VAC 50 / 60 Hz for Hz Measurement	
Parameter Displayed	VDC, Over speed limit, No. of start attempts, Frequency	V L-L Phase wise, VL-N Phase wise Ampere Phase wise, Frequency system, Earth leakage current, Run hours
Alarm	Over speed, Low lube oil pressure, High coolant temp. Low Fuel level, Emergency stop, Low battery voltage	Under / Over Voltage, Voltage asymmetry, Phase loss, Phase reversal, Under / Over current, Phase loss, Current asymmetry, Under / Over frequency, locked rotor, Rotor earth fault
Temperature / Humidity	Operating: -10° C to 55° C, Storage: -20° C to + 75° C, < 95% RH	

VIPS-101 / VIPS-102

VOLTAGE RELAY



VIPS-101
UV, OV & PR VOLTAGE RELAY



VIPS-102
UNDER VOLTAGE RELAY
(DELAYED RESTART)

Description	UV / OV / PR RELAY	UNDER VOLTAGE RELAY (DELAYED, RESTART)
Model	VIPS-101	VIPS-102
Features	Consistent Reliability with High Accuracy Trip Setting through Front Panel Potentiometer Time Delay User Settable LED Indication For Healthy / Faulty Status Compact Size 17.5 mm DIN Under voltage / Over voltage / Phase reversal	Consistent Reliability with High Accuracy Time Delay User Settable LED Indication For Healthy / Faulty Status Compact Size 17.5 mm DIN Under voltage relay, delayed restart
System	3 Phase 4 wire / 1 Phase system / (3 Phase 3 wire optional)	
Burden on Supply	< 3 VA	
Nominal Voltage	380 / 415 / 440VAC	
Delay	0.2 Sec. to 30 Sec.	5 to 15min (Restart time)
Set Point	± 25% of Nominal voltage for UV, OV	-25% of Nominal Voltage (Factory set)
Relay Contacts	1 Potential Free Contact, (NO, C & NC), (De-Energise on Fault)	
Contact Rating	6 Amps / 230 V AC / 28 V DC	
Temperature	Operating: -10° C to 55° C, Storage: -20° C to + 75° C	
Humidity	< 95% RH (non condensing)	
Dimension	78 x 17.5 x 97 mm (L x B x H)	
Mounting	Din (35 mm rail)	
Weight	75 gms	

For Dimension refer diagram F on page no. 19