

Features:

- ▶ Autoranging Current display
- ▶ User settable trip level and time delay
- ▶ Din rail mounting
- ▶ Password protection
- ▶ Two Relays Output
- ▶ Auto / Manual Reset
- ▶ Bargraph Display for current in percentage of full scale

**Advantages:**

- ▶ Din rail mount
- ▶ Programmable CT ratio reduces inventory
- ▶ Compact size

Applications:

- ▶ Generator Control Panel
- ▶ Distribution Control Panel
- ▶ Protection Control Panel

Display

Display	LCD (Displays actual current in amps, Frequency and current asymmetry)
Digit	3
Bargraph	% of full scale

Input Specification

Status of Relay	Programmable
Reset	Auto / Manual Programmable

Output Specifications

No. of Relay	2
Relay Rating	NO (5A and 240V AC) NC (5A and 240V AC)
Type of O/P (Relay 1)	1 C/O (SPDT)
Type of O/P (Relay 2)	1 C/O (SPDT)

Functional Specifications

Time Delay	Power ON, Trip Time, Recovery Time
Alarm Indication	R1, R2 LED
Connection	1Ø -2wire, 3Ø -4wire
CT Primary	1A-5.00 KA
CT Secondary	1A/5A

Supply Specifications

Supply Voltage	90-270V AC/ DC
Supply Frequency	50/60 Hz
Power Consumption	3VA max.

Environmental Specification

Operating Temperature	-10°C to 70°C
Storage Temperature	-20°C to 50°C
Humidity	Up to 95% RH

Mechanical Specification

Weight	200 g
Dimensions	93X35X68 mm(LxBxH)
Mounting	Din rail Mount
Enclosure	ABS Thermoplastic
Button	3

Current Rating

Measuring Range	0.01-6.00 Amps, 45-65 Hz
Set Points	Under current : 2-100% of CT primary Over current : 10-120% of CT primary Current Asymmetry: 5-99.9% Over Frequency: 47-65 Hz Under Frequency : 45-63 Hz Locked rotor : 2-10 Times of overload
Phaseloss	150% of Overload

Trip Time Setting

Power ON Delay	0 - 99.9 sec
Trip Time Delay	0 - 99.9 sec
Recovery Time Delay	0 - 99.9 sec (auto reset)
Response Time	≤ 200 ms

Hysteresis

Hysteresis	Current : 0.1-3.5%
	Frequency : 0.2 - 2.0Hz
	Asymmetry : 2.0 -20.0 %

Resolution

Current	Auto ranging (0.01A to 0.01kA)
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Accuracy

Current	± 1% of setting (± 2 digit)
Time Setting Accuracy	± 5% of setting

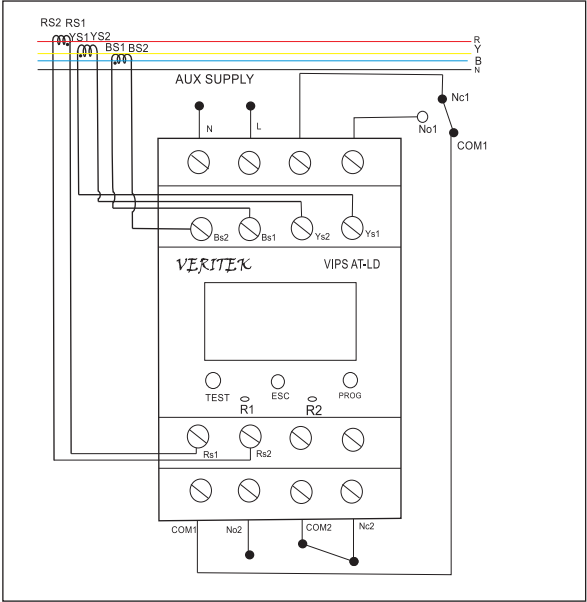
Indications

R1 (Red LED)	Relay 1 trip
R2 (Red LED)	Relay 2 trip

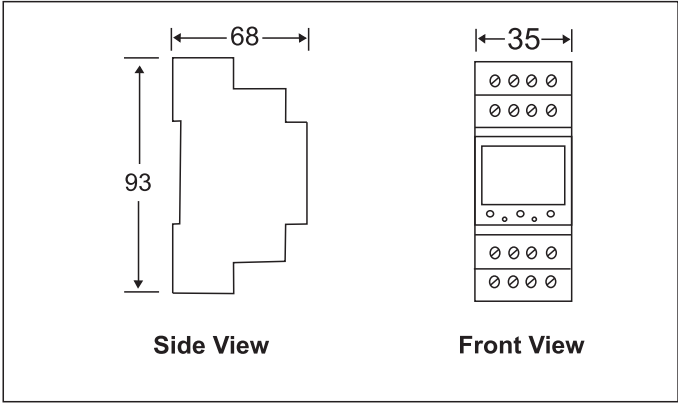
Protections

Under Current
Over Current
Phase loss
Phase reversal
Under frequency
Over frequency
Locked rotor

Connection Diagram



Dimension



Ordering Information

Ordering Code	Description	L1
VIPS AT-LD	DIN Rail mounted LCD Current Relay	