

**Features:**

- ▶ Leakage Current display
- ▶ User settable trip level and time delay
- ▶ Din Rail mount
- ▶ Password protection
- ▶ Bar graph display for leakage current in percentage of set point
- ▶ Two Relays Output
- ▶ CBCT open circuit detection
- ▶ Auto / Manual Reset

**Advantages:**

- ▶ Din Rail mount
- ▶ Protects human life
- ▶ Constant leakage current detection

Applications:

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

Display

Display	LCD (Displays actual leakage current in amps)
Digit	3
Bar graph	Percentage of leakage Current Setting

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	Pre-warning alarm, Trip, CBCT error
CBCT Sizes	35mm, 70mm, 120mm and 210 mm

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	228 g
Dimensions	93X35X68mm (LxBxH)
Mounting	Din Rail Mount
Enclosure	ABS Thermoplastic
Button	3

Current Rating

Measuring Range	10mA - 30A, 50 - 60Hz
Set Points	1A - (0-999 mA) 10A - (1-9.99 A) 30A - (10-30 A)
Pre-Alarm	50 - 90 % of Leakage Current Setting

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	≤ 25 msc

Hysteresis

Hysteresis	3 - 25% of set value
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Resolution

Current	Auto ranging
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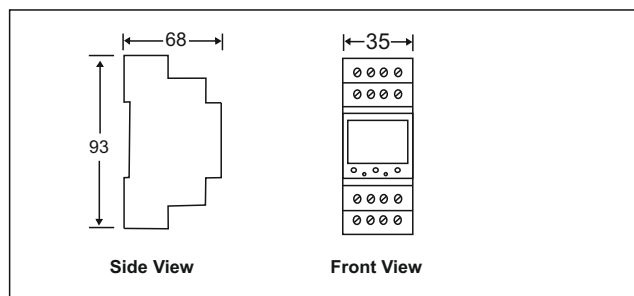
Accuracy

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

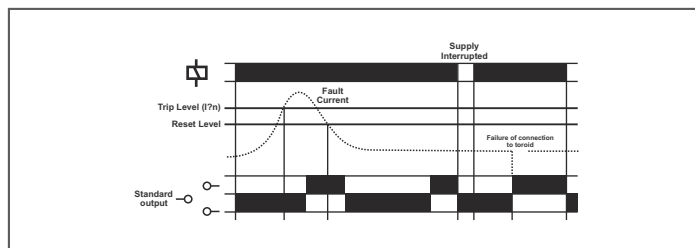
Resolution

R1 (Red LED)	Relay 1
R2 (Red LED)	Relay 2
CBCT open circuit	R1 & R2 Blinks Continuously

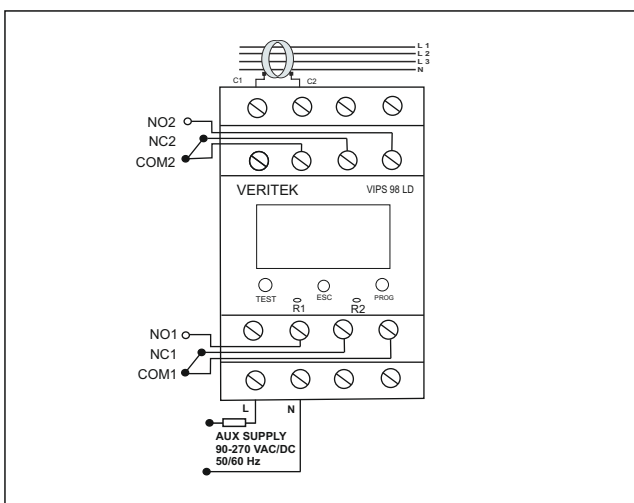
Dimension



Functional Diagram



Connection Diagram



Ordering Information

Ordering Code	Description
VIPS 98LD	DIN Rail mounted LCD ELR, current rating 10 mA- 30 A, SMPS based

Connection Diagram (Only for CBCT)

