

**Features:**

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

**Advantages:**

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

**Applications:**

- ▶ Generator Control Panel
- ▶ Distribution Control Panel
- ▶ Protection Control Panel
- ▶ EV / Solar / Telecom Panels

**Display**

Display	LCD (Displays actual leakage current in amps)
Digit	AC / DC / RMS Individually
Bar graph	3
	Percentage of leakage Current Setting

**Input Specification**

Status of Relay	Enersise on Fault
Reset	Manual

**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	Trip Time, 0-10 Sec
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	30mA - 3A
Set Points	30mA, 100mA, 300mA
	500mA, 1A, 3A
Pre-Alarm	50% of Leakage Current Setting

**Trip Time Setting**

Trip Time Delay	0-10 Sec
Response Time	≤ 40 msec

**Hysteresis**

Hysteresis	5% of set value
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**Resolution**

Current	Auto ranging
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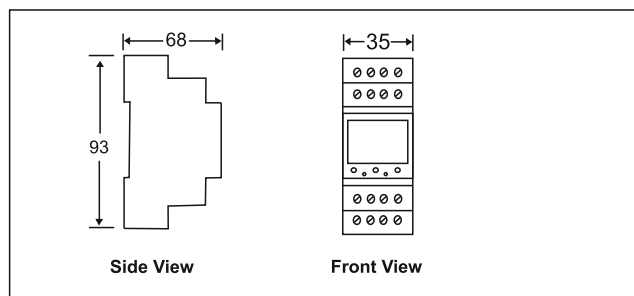
**Accuracy**

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

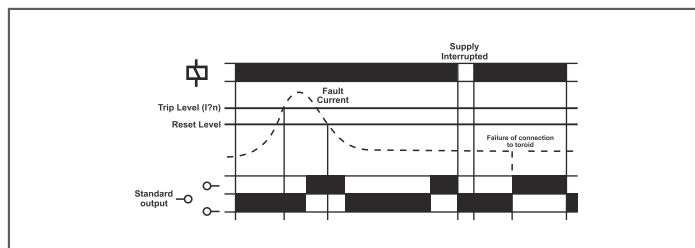
**Resolution**

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

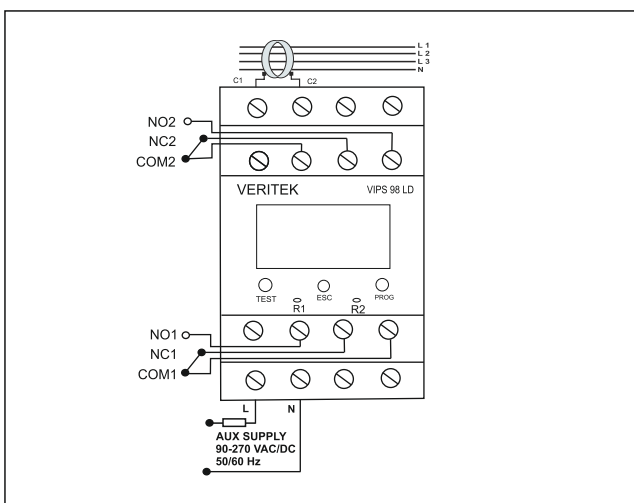
## Dimension



## Functional Diagram



## Connection Diagram



## Ordering Information

Ordering Code	Description
VPS 98LB	DIN Rail mounted LCD ELR, current rating 30 mA - 3A, SMPS based

## Connection Diagram (Only for CBCT)

