



## FEATURE

- Earth Leakage Current Monitoring In 1Ø - 2W, 3Ø-3W And 3Ø-4W System
- Test Mode Available.
- Auto/Manual Tripping Reset Facility.
- Test/Trip Reset Via Front Key

## TECNICAL SPECIFICATION

### INPUT SPECIFICATION :

Input Current	0.00 To 3.00 A AC in CBCT
Display Currant Range	30mA To 3.00 Amp
Resolution	If Current in mA = 1 mA If Current in Amp = 0.01A

### DISPLAY & KEYS :

Display	3 Digit, 7 Seg., 0.28", Red.
Keys	Test , Rst

### OUTPUT SPECIFICATION :

Relay	1 Nos.
Relay Type	NO - C- NC
Rating	10A,230V AC Resistive Load

### AUXILIARY SUPPLY :

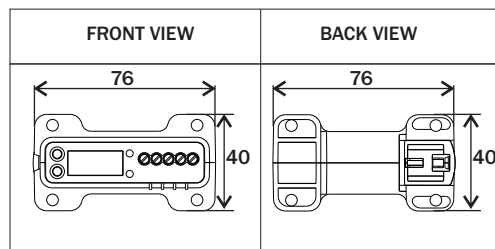
Supply Voltage	100 To 250 V AC
Power Consumption (VA Rating)	3VA @ 230 VAC MAX

### ENVIRONMENT CONDITION :

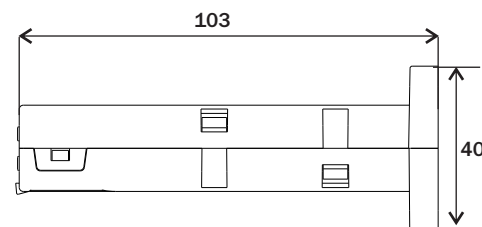
Operating Temp.	0 - 55°C
Relative Humidity	95% RH

Johannesburg Branch  
MIMIC COMPONENTS  
Cape Town Branch  
Mimic Cape

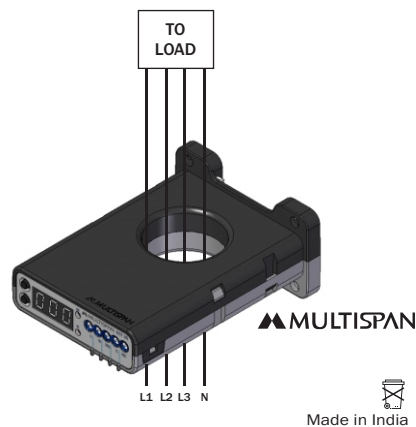
## MECHANICAL DIMENSION



### SIDE VIEW



## TERMINAL CONNECTION



## KEY OPERATION

FUNCTION	KEY PRESS
OPERATION MODE	
To Enter in Parameter Setting	(TST) & (RST)
To Enter in Test Mode	(TST) For 5 sec
To Reset the Relay Contact Manually After Tripping	(RST) For 1 sec
PARAMETER SETTING MODE	
To Increment Parameter Value	(TST)
To Decrement Parameter Value	(RST)
To Save & Exit From Parameter Setting Mode	(TST) & (RST) For 1 sec

## MECHANICAL INSTALLATION

- 1) To install the instrument on a DIN rail, raise the clamp at the back of the instrument and place it on the rail. Now release the clamp, so the instrument fits on the DIN rail.
- 2) Ensure proper fitting of the instrument by pulling it outwards.
- 3) To remove the instrument raise the clamp to release it from the DIN rail.
- 4) The equipment in its installed state must not come in close proximity to any heating source, caustic vapors, oil steam, or other unwanted process byproducts.
- 5) Do not connect anything to unused terminals.

## MAINTENANCE

- 1) The equipment should be cleaned regularly to avoid blockage of ventilating parts.
- 2) Clean the equipment with a clean soft cloth. Do not use isopropyl alcohol or any other cleaning agent.
- 3) Fusible resistor must not be replaced by operator.



## SAFETY PRECAUTION

All safety related codifications, symbols and instructions that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of the operating personnel as well as the instrument.

If all the equipment is not handled in a manner specified by the manufacturer, it might impair the protection provided by the equipment.



Read complete instructions prior to installation and operation of the unit.



**WARNING : Risk of electric shock.**

## INSTALLATION GUIDELINES

- 1) Do not allow pieces of metal, wire clippings, or fine metallic fillings from installation to enter the product or else it may lead to a safety hazard that may in turn endanger life or cause electrical shock to the operator.
- 2) Circuit breaker or mains switch must be installed between power source and supply terminal to facilitate power 'ON' or 'OFF' function. However this mains switch or circuit breaker must be installed at convenient place normally accessible to the operator.
- 3) Use and store the instrument within the specified ambient temperature and humidity ranges as mentioned in this manual.

## WARNING GUIDELINES



**WARNING : Risk of electric shock.**

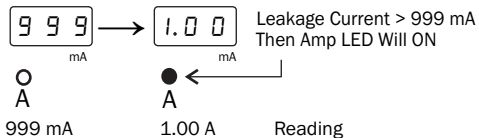
- 1) To prevent the risk of electric shock, power supply to the equipment must be kept OFF while doing the wiring arrangement. Do not touch the terminals while power is being supplied.
- 2) To reduce electro magnetic interference, use wire with adequate rating and twists of the same of equal size shall be made with shortest connection.
- 3) Cable used for connection to power source, must have a cross section of 1mm or greater. These wires should have insulations capacity made of at least 1.5kV.
- 4) A better anti-noise effect can be expected by using standard power supply cable for the instrument.

## LED STATUS INDICATION

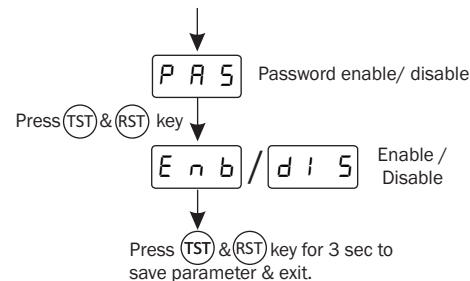
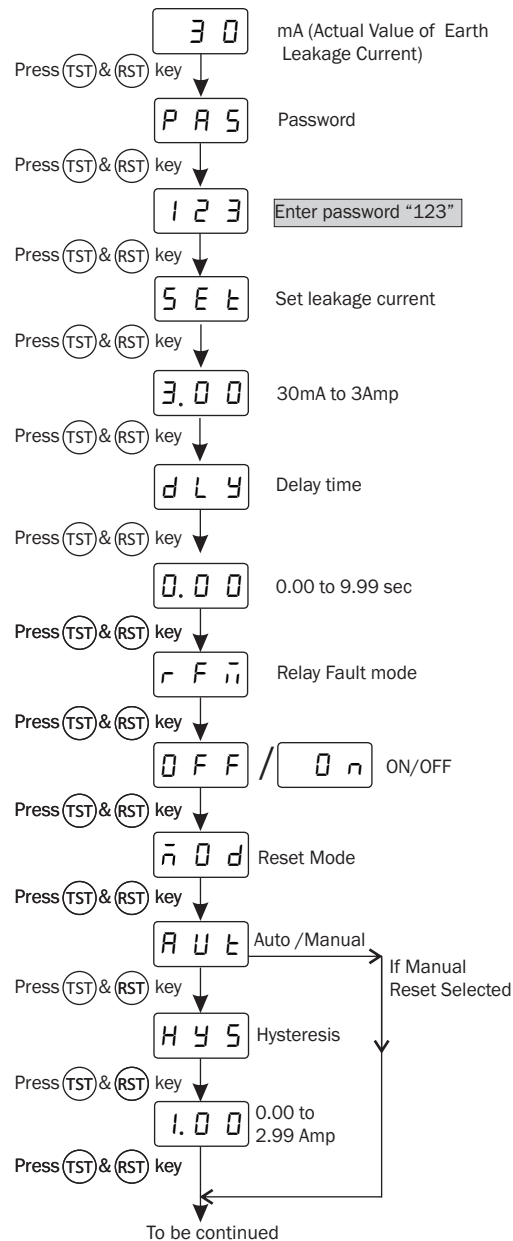
### 1) Relay LED

Control Output Indication (ON/OFF)

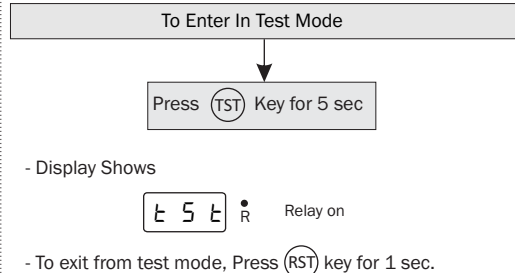
### 2) AMP LED



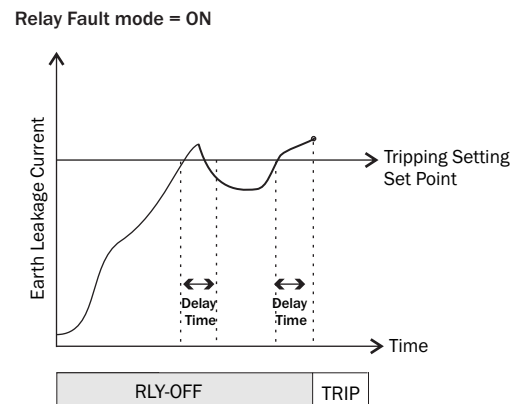
## PARAMETER SETTING



## TEST MODE



## TRIP FUNCTION

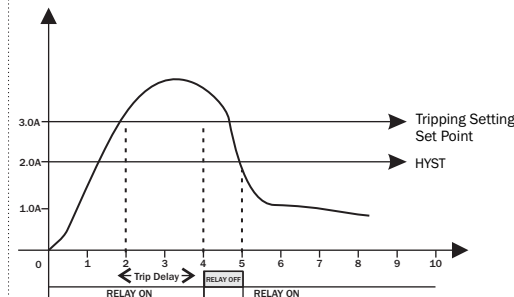


## RESET FUNCTION

To Reset the Relay Contact after tripping two modes are given.

### 1) Auto Reset

Relay Fault mode = OFF  
Trip Set Point = 3.00 Amp  
Hysteresis = 1.00 Amp  
Trip Delay = 2 Sec



### 2) Manual Reset

NOTE: When Leakage Current < Setpoint

Press (RST) Key for 2 Second