



VIPS 98I

TEST CERTIFICATE

Type: Earth Leakage Relay (VIPS 98 I)

Nominal Current IN : 300mA / 30mA

Aux. Supply
240V AC, 50/60Hz, +15% to -25%

Range: 300mA / 30mA

CBCT DIA: 35mm

Accuracy Test: Tripping Observed Between
80% - 90%

Found OK

Tested By: Mr. Devendra Chaurasiya

Date:

FEATURES

Factory Set sensing range
{ 0.03 / 0.100 / 0.300 Amps. }

No Additional CBCT Required, Internally Provided.

Compact Size Wall / Panel Mountable.

APPLICATION

Protection System

SPECIFICATION

Aux. Supply : 240VAC at 50/60 Hz/
+15% to -25%

Burden : less then 15 VA max

Current : -25% to +15%

Operating Time : Instantaneous

Set Point : (A) 300mA
(B) 100mA
(C) 30mA
any other on request.

Tripping : 80 - 90% of set point

CBCT Size (ID) : 35mm

Repeatability : Better than 0.5%

Relay Output : Single pole change over
24VDC 5A Resistive
240VAC 5A

Status : Normally De-energised

Reset : Manual

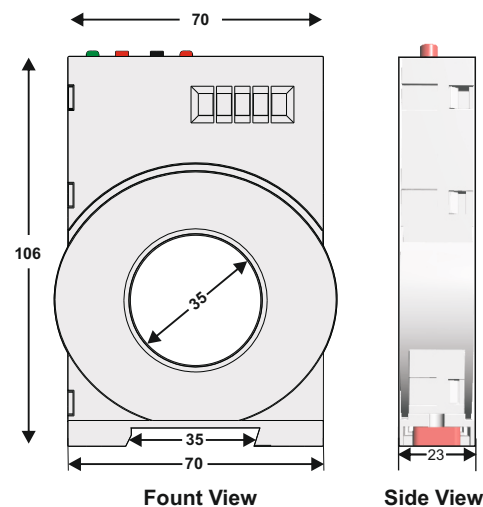
Temperature : -10C° to +70C°

Dimensions : 23 X 106 X 70 (W x H x D)

Mounting : DIN RAIL (35 mm) 2xm4 screw

Weight : 230 gms

MECHANICAL DIMENSION

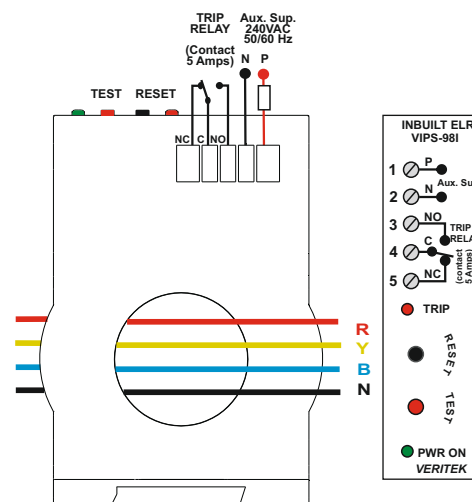


***All Dimension in mm**

CONNECTION DETAILS

Electrical Wiring / Connection Diagram

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EARTH LEAKAGE RELAY

Earth leakage relay is used for the continuous surveillance of the earth leakage current which causes generation of heat & progressive failure of insulation, when the leakage current value moves outside from the desired zone the relay energises to give an alarm or trip a circuit.

PRINCIPLE OF OPERATION

The unit employs a CBCT (Core Balance Transformer) to sense the leakage current. In a healthy system the vector sum of the currents fowing in the 3 phases is zero. But in the case of an Earth fault the vector sum is not zero & a resultant current begins to flow. This is converted into an analog voltage signal which is compared with a preset reference value. In case of 3 phase 4 wire the Neutral is also be passed through the Inbuilt CBCT as shown in the connection Drawing.

SAFETY PRECAUTIONS :

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 the equipment is not used in a manner specified by the manufacturer it might impair the protection provided by the equipment.

If there is physical damage to the unit then do not use it.

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

WIRING GUIDELINES :

Warning

- 1) To Prevent the risk of electric shock power supply to the equipment must be kept OFF while doing the wiring arrangement.
- 2) Wiring shall be done strictly according to the terminal layout with shortest connection. Conform that all connection are correct.

CAUTION :



- 1) To ensure the safe operation of unit, check the wiring and connections.

***The Document are Subject to Change Without Notification.**

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