

**Features:**

- ▶ Current display in percentage
- ▶ User settable trip level and timer delay
- ▶ DIN Rail mount
- ▶ CBCT open circuit detection
- ▶ CBCT available in various sizes
- ▶ Compliance with IEC 947-1

**Advantages:**

- ▶ DIN Rail mounted
- ▶ Protects human life
- ▶ Constant leakage current detection
- ▶ Fewer nuisance trips

Applications:

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

Input Specification

Status	Normally de-energised
Reset	Manual

Output Specifications

Alarm Relay Output (Optional)	50% of Range 1 SPDT switch NO (5A and 240V AC) NC (5A and 240V AC)
Trip Relay Output	80-90% of Range 1 SPDT switch NO (5A and 240V AC) NC (5A and 240V AC)
Relay Contacts	1 potential free contact (NO, C & NC)
Contact Rating	6A/230V AC/28V DC

Functional Specifications

Set Point	(0.03, 0.10, 0.30, 0.50, 1.0, 3.0, 5.0, 10.0, 20.0 & 30.0 A)
Power ON Delay	Approx. 1 sec
Trip time Delay	0.04 to 10 sec
CBCT Sizes	35mm, 70mm, 120mm, 210mm and any other rectangular/round CBCT on request

Supply Specifications

Supply Voltage	90-270V AC/DC ($\pm 15\%$)
Supply Frequency	50/60 Hz
Power Consumption	3VA max.

Environmental Specification

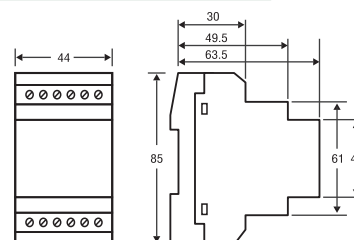
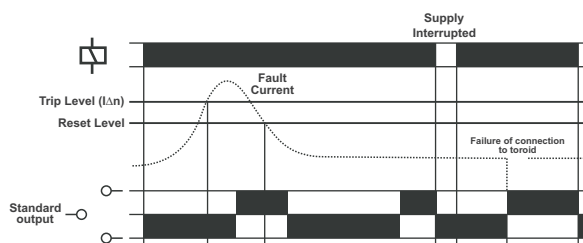
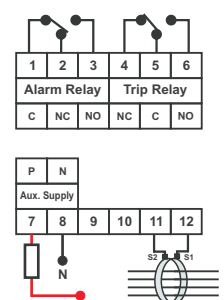
Operating Temperature	-10 C to 70 C
Storage Temperature	-20 C to 50 C
Humidity	<95% RH

Mechanical Specification

Weight	228 g
Dimensions	45x90x75mm (WxHxD)
Mounting	DIN Rail (35mm)
Enclosure	ABS Thermoplastic

User Settable Parameters

Range Set	0.03, 0.10, 0.30, 0.50, 1.0, 3.0, 5.0, 0.0, 20.0 & 30.0 A
Delay Set	0.04, 0.06, 0.15, 0.25, 0.5, 0.8, 1, 2.5, 5, 10 Sec

Dimension**Functional Diagram****Connection Diagram****Ordering Information**

Ordering Code	Description
VIPS 98P	DIN rail mounted digital ELR, current rating 30 mA- 30 A, SMPS based