

## DIGITAL EARTH LEAKAGE RELAY (BELR 20-P)

### SALIENT 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 mount.
- Protects human life.
- Constant leakage current detection.
- Fewer nuisance trips.

### APPLICATIONS

- Generator Control Panel.
- Distribution Control Panel.
- Protection Control Panel.



### INPUT SPECIFICATIONS

Status	Normally de-energised
Reset	Manual

### SUPPLY SPECIFICATIONS

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

### 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 D

### ENVIRONMENTAL SPECIFICATIONS

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

### 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

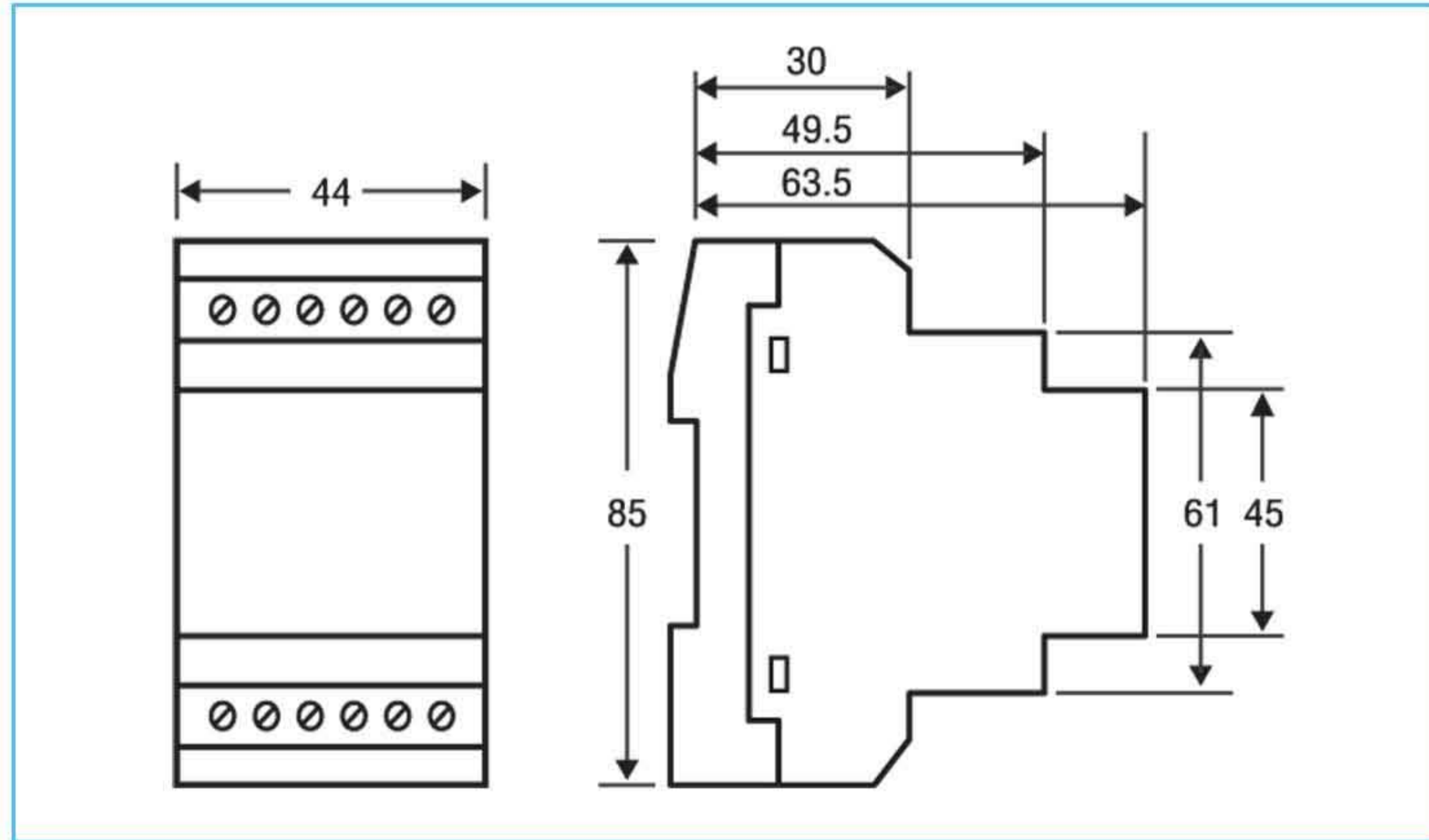
### MECHANICAL SPECIFICATIONS

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

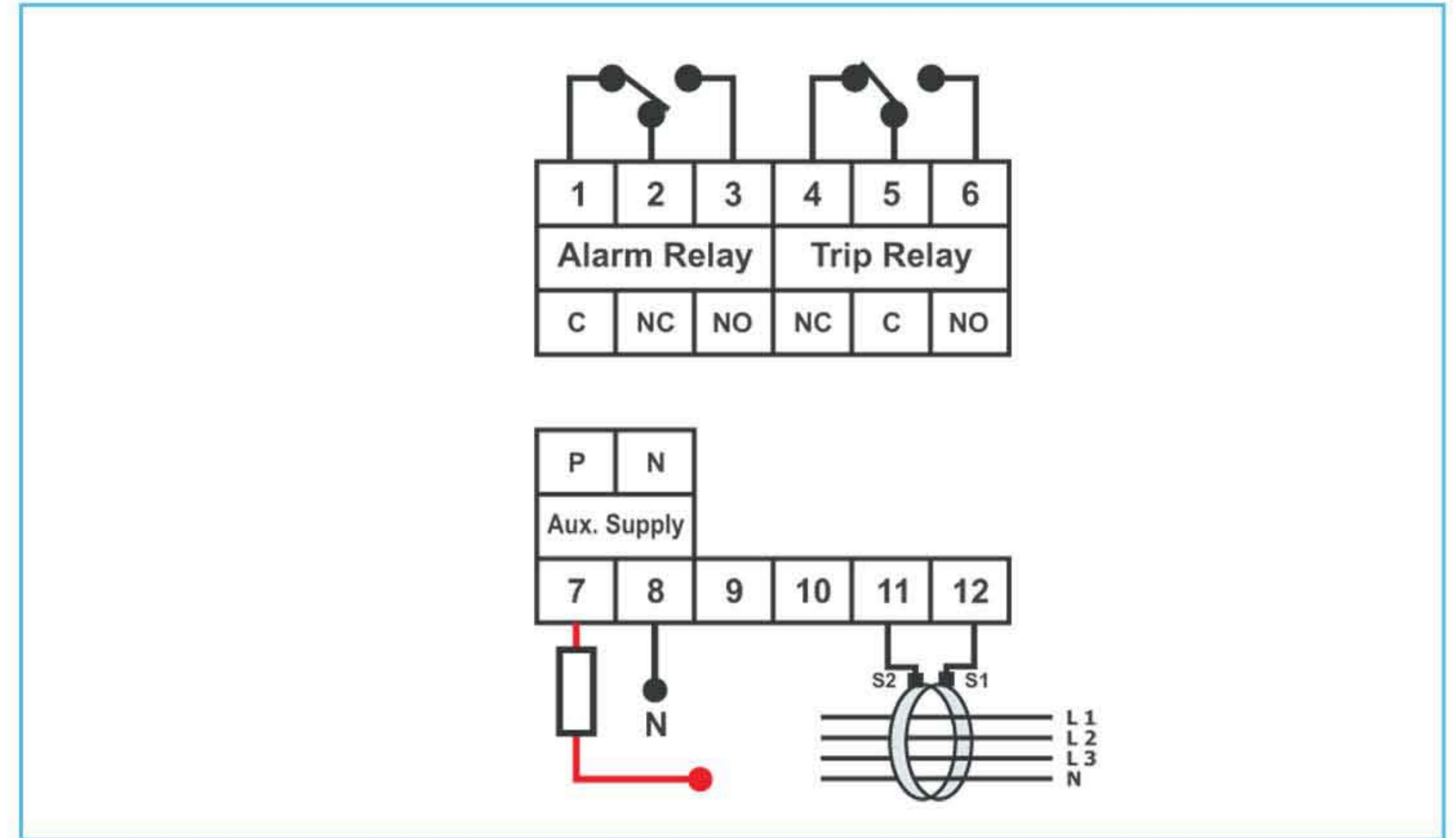
### USER SETTABLE PARAMETERS

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

## DIMENSIONS



## CONNECTION DIAGRAM



## FUNCTIONAL DIAGRAM

