

OPERATING MANUAL

Earth Leakage Relay

ELR-500

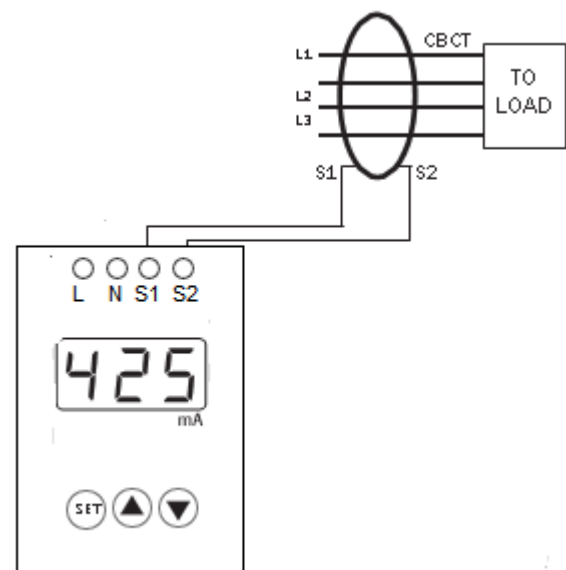
MISTURA

FEATURE:

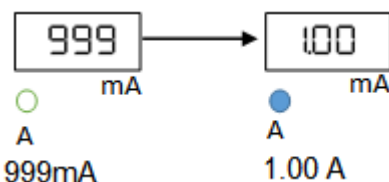
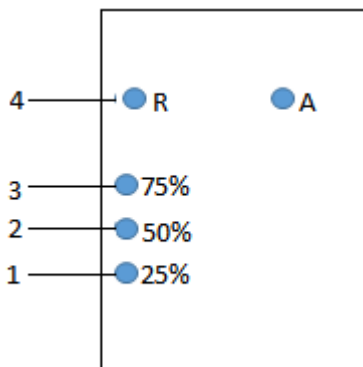
- Earth Leakage Current Monitoring In 1 ϕ - 2W, 3 ϕ -3W and 3 ϕ -4W System
- Test Mode Available.
- Auto/Manual Tripping Reset Facility.
- LED Indiction (25%,50%,75%)
- Test/Trip Reset Via Front Key / Remote

INPUT SPECIFICATION	
Input Current	30 mA To 3.00 Amp AC
Display Current Range	0.030 To 3.000 Amp AC
Resolution	If Current in mA = 1 mA If Current in Amp = 0.001A
OUTPUT SPECIFICATION	
Relay	1 Nos.
Relay Type	1 C/O (NO-C-NC)
Rating	10A,230V AC Resistive Load
AUXILIARY SUPPLY	
Supply voltage	100 to 250V AC, 50-60Hz
Power consumption (VA RATING)	Approx. 3 VA @ 230V AC MAX
ENVIRONMENT CONDITION	
Operating Temp.	0°C to 55°C
Relative Humidity	UP to 95% RH (non-condensing)
Protection Level	IP-65 (Front side) As per IS/IEC 60529 : 2001
DISPLAY	
3 Digit Seven Segment, 0.32" RED	
DIMENSION	
Size (HxWxD)	Panel Cut-out
75 X 45 X 110 mm	Din Rail Mounting

TERMINAL CONNECTION

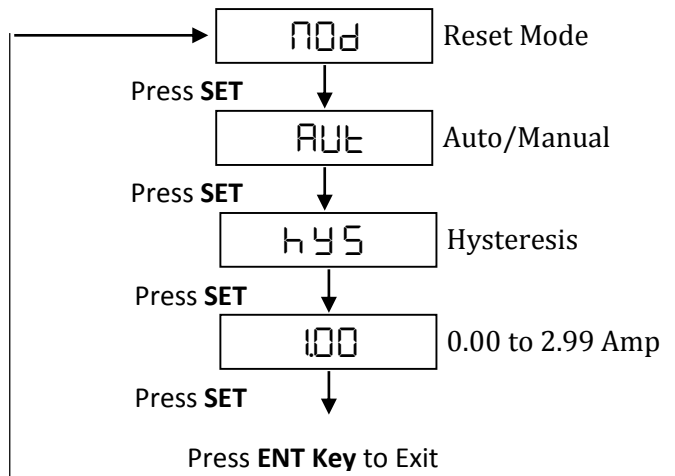
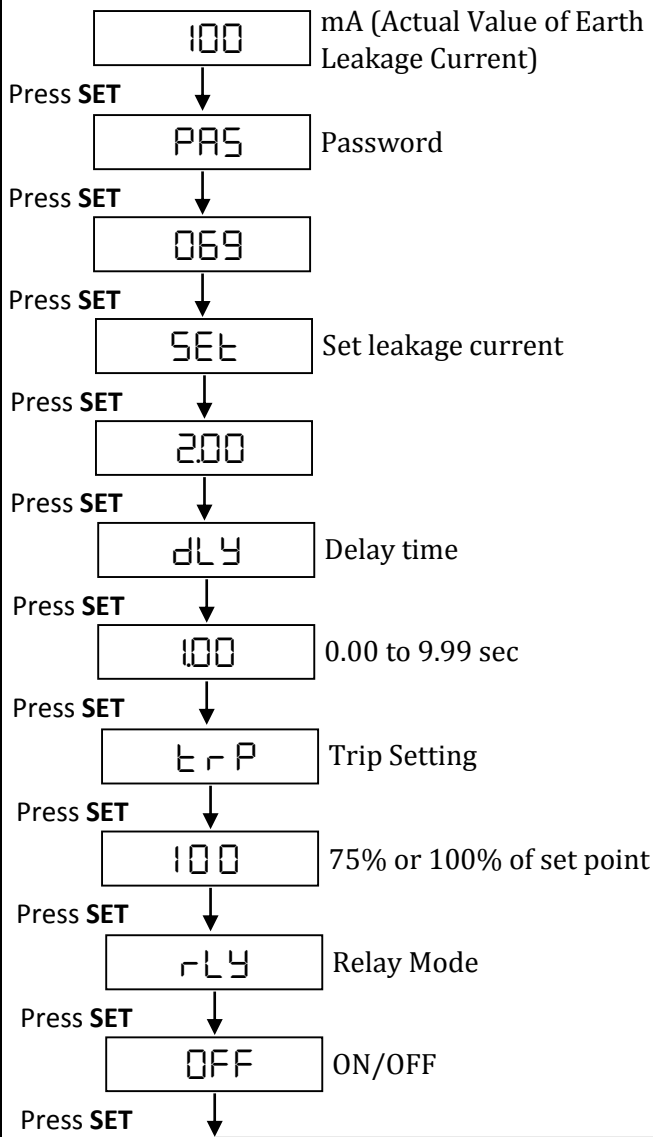


LED STATUS INDICATION



Leakage Current > 999 mA Then Amp LED Will ON

1) 25% LED	
20% < Leakage Current < 25%	LED Blinking
Leakage Current \geq 25%	LED Continuously ON
Leakage Current \leq 20%	LED OFF
2) 50% LED	
45% < Leakage Current < 50%	LED Blinking
Leakage Current \geq 50%	LED Continuously ON
Leakage Current \leq 45%	LED OFF
3) 75% LED	
70% < Leakage Current < 75%	LED Blinking
Leakage Current \geq 75%	LED Continuously ON
Leakage Current \leq 70%	LED OFF
4) Relay LED	
Control Output Indication (ON/OFF)	



TEST MODE:

To Enter in TEST Mode: Press RST/TST Key 5 Second
 Display Shows tSt Where Relay is ON
 To Exit TEST mode: Press RST/TST Key.

RESET/TRIP FUNCTION:

Healthy Condition relay mode = ON

1) Auto Reset

When Current value reach at Set Value or Above at that time Delay time will be start& after completion of delay time, if process value greater than Relay must be OFF. When Current Value less than SET-HY then relay will be ON.

2)Manual Reset

When Current value reach at Set Value or Above at that time Delay time will be start& after completion of delay time, if process value greater than Relay must be OFF. When Current Value less than SET, Press RST/TST KEY.