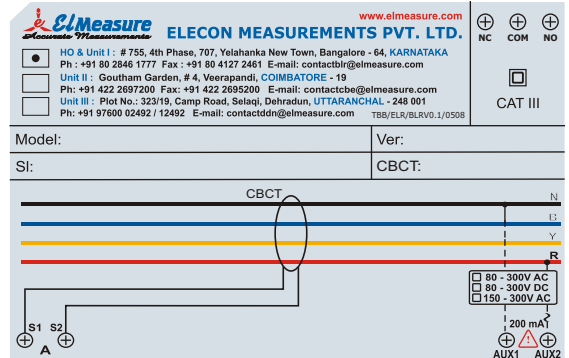


PROGRAMMING GUIDE - intelligent Earth Leakage Relay (iELR)

1. UNIQUE FEATURES

- True RMS
- Programmable from 60mA -12Amps
- Universal Auxiliary (80-300 V, AC) supply
- Intelligent tripping, 'Trip time' is inversely proportional to 'set Amps'.
- 4 digit, 7Segment 15mm height single Row display with Red bright LED
- Compact size and light Weight.

2. WIRING DIAGRAM



3. KEY FUNCTIONS

Key	In SET (Programming) mode	In Measurement mode
RIGHT	To select the value and to accept the value	To manually test trip circuit, by pressing cautiously for 5 Sec, the relay trips and meter indicates "tst.t"
DOWN	To edit the value/system type down-ward in edit mode and scroll through the parameters.	Reset the trip circuit, for both manual trip & auto trip.

4. ENTERING CONFIGURATION (SETUP) MODE

Follow the following steps to configure the setup parameters through front panel keys.

Step	Actions	Display Reads	Range/Options / comments
1	Press RIGHT and DOWN keys together to enter programming mode	0000 (Password) with first digit "0" blinking.	
2	Press Down key till the first digit read "1".	PASSWORD = 1000 (Default/factory set).	Default is 1000
3	Press the Right key.	1000	To accept the Password and Enters in to SETUP mode
4	Press the RIGHT key	Displays 'Set A'	'Set A' means Programmable maximum current Default : 12.00 (Amps)
5	Press the RIGHT key		Indicates the last set value. Programmable range: 60mA - 12A
6	Press RIGHT key to edit value	Editable digit blinks.	
7	Press DOWN key to change	Changed digit blinks.	Select the required value.
8	Press RIGHT key to accept	Blinking digit stabilizes.	Follow the same procedure to set the remaining digits and decimal point.
9	Press Down key to go to next parameter.	Displays 'SET.t'	'SET.t' (Set Time) means Programmable range for Time Default : 1.00 (sec)
10	Press the RIGHT key	1.000.	Indicates the last set value. Programmable range: 300 mS - 30 S
11	Press RIGHT key to edit value	Editable Value blinks.	Edited value can be changed in steps of 1 s by pressing down Key
12	Press Down key to go to next parameter.	Displays 'trP.A' (Trip amps)	'trp A' indicates the actual current at the event of trip Default : Enab/dIsA (optional)
13	Press RIGHT key to edit	Displays 'Enbl' (enable)	'Enbl' means enable. 'dsbl' means disable. This is to enable / disable the Parameter for visibility in Run mode.
14	Press DOWN key to go to the next parameter.	Displays 'InS.A' (instantaneous Amps)	'Enbl' means enable. 'dsbl' means disable. This is to enable / disable the Parameter for visibility in Run mode.
15	Press DOWN key to go to the next parameter.	'SAV Y'	To save the setting mode. Option : Y (YES) / n (NO)
16	Press RIGHT key to memorize the changes done	Display returns to Home page	