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PROGRAMMING GUIDE

Little Genius EDC

1. UNIQUE FEATURES

- CT & PT Primary Programmable
- Auxiliary Voltage Input (42 - 300V DC) / (80 to 300 VAC)
- Voltage Input - (48V DC)
- Current Input through Shunt - 75mV
- "OLD" Register for storing Cleared Energy

3. KEY FUNCTIONS

Key	In SET (Programming) mode	In Measurement mode
RIGHT	To select the value and to accept the value	No action
UP	To edit the value/system type up-ward in edit mode and scroll through the parameters.	To scroll up the pages to look at different parameters.
DOWN	To edit the value/system type down-ward in edit mode and scroll through the parameters.	To scroll down the pages to look at different parameters

4. ENTERING CONFIGURATION (SETUP) MODE

To configure the setup parameters in Little Genius (LG) EDC series of meters through front panel, the following steps can be followed.

Step	Actions	Display Reads	Range/Options / comments
1	Press RIGHT and UP/DOWN keys together to enter the setup	SEtP (SETUP) CLr.Set (setup/clear)	Press RIGHT and UP keys together for LG EDC.
2	Press DOWN key.	0000 PS (Password) with first digit "0" blinking.	
3	Press UP/DOWN key in order to increment the first digit to "1".	PASSWORD = 1000 (default/factory set).	0000 the corresponding digit blinks
4	Press DOWN key to go to next page.	xxxxP.P. 50.00 (default)	Indicates the value in first four digits & PT primary in last two digits. Programmable Range : 1 to 99 kV
5	RIGHT key to edit the value.	Editable digit blinks.	
6	Press UP/DOWN key to select the changed value.	Changed digit blinks.	
7	Press RIGHT key to accept the changed value.	Blinking digit stabilizes.	Follow the same procedure to set the rest digits.
8	Press UP/DOWN keys	Decimal point blinks.	Set Kilo, while setting decimal point. Eg: To set 11.00kV, Set first 4 digits (1100) as explained above. Keep pressing UP/DOWN key to place Decimal point at appropriate location while Kilo LED should also come ON.
9	Press RIGHT key to accept set value.	50.00	
10	Press DOWN key to go to next parameter.	xxxxC.P 1000	CT Primary. Follow the Procedure as explained in Sl. No: 4 to 8. Range : 1 to 50 kA.
11	Press DOWN key to go to the next parameter	xxxx.bA (9600 - default setup)	Defines the baud rate. Option: 600, 1200, 2400, 4800, 9600, 19.20k (Communication speed)
12	Press DOWN key to go to the next parameter	EUEnPr (Even Parity)	EUEn (even)/odd (odd)/no (no parity) (Internal communication error check)
13	Press DOWN key to go to the next parameter	1.000dU	Defines the (ID) communications identification number. Option: 1-247.
14	Press DOWN key to go to the next parameter	----PS.	Password user definable. Caution: If password other than the default is set, then Memorize it. Meter will reject programming if tried with wrong passwords. In such case meter need to be reset & recalibrated at factory only.
15	Press DOWN key to go to the next parameter	SAVE Y Follow the procedure as explained in Sl. No. 5 to 7 to edit.	To save the setting made. Option : Y (YES) / n (NO)
16	Press RIGHT key to memorize/store the changes done.	Display returns to run mode.	If "n"(no) is selected then Meter enters into RUN mode without secondary affecting any edited Values in the setup.

Once the required parameter is programmed press the down key continuously up to it reaches SAVE page to reach SAVE page directly.

5. DISPLAY OF PARAMETERS

<u>V</u>	Voltage V1 to V2	<u>Hr</u>	Run Hrs / Load Hrs
<u>A</u>	Current Average	<u>nS</u>	Mins. & Secs.
<u>W</u>	Watts Total		

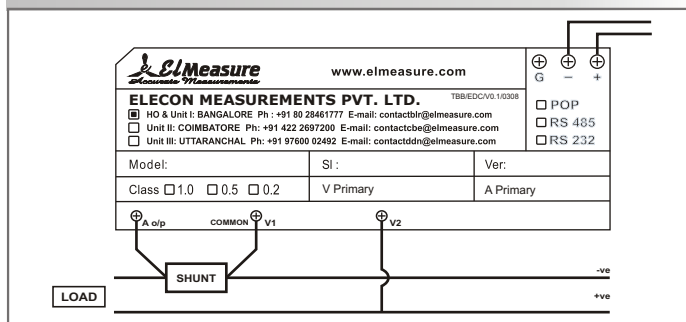
"Wh" is displayed with six digit resolution; no parameter name will be displayed.

7. Enabling and disabling of Auto scrolling

Enabling auto scrolling: Press UP key continuously for 5 seconds or until display shows **EnbL.Au** for upward scrolling. Press Down key continuously for 5 seconds or until display shows **EnbL.Au** for downward scrolling.

Disabling auto scrolling: Press any key (RIGHT/UP/DOWN), display show **dsbL.Au** and returns to normal mode.

2. WIRING DIAGRAM - LG EDC



6. LED INDICATIONS

LED status	Meaning
'KILO' ON	Kilo
'MEGA' ON	Mega
'KILO' & 'MEGA' ON	Giga
'KILO' & 'MEGA' OFF	Direct reading
'OLD'	Last cleared Energy