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## PROGRAMMING GUIDE - Alpha / $\mu$ Alpha Series

### 1. UNIQUE FEATURES

- True RMS
- STAR (Wye)/ Delta Programmable
- PT ratio / CT ratio programmable including CT secondary
- Universal Auxiliary (80-300 V AC) supply, (150-300 V AC) supply only for meter with digital o/p.
- Universal Voltage Input (80 - 550 VAC) and Current Secondary (1A or 5A).
- First time in INDIA, 4 digit single Row display with graphical representation of parameter name.
- Clearance & creepage distance meets UL508 standard.
- Compact size and light Weight.

### 2. KEY FUNCTIONS

Key	In SET (Programming) mode	In RUN (Measurement) mode
<b>RIGHT</b>	To select the value and to accept the value	No action
<b>DOWN</b>	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

### 3. ENTERING CONFIGURATION (SETUP) MODE

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

Step	Actions	Display Reads	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 DOWN key.	ELE displays now.	ELE Element (Wiring)(Applicable only in 3A ,3V)

4	Press the RIGHT key	Displays StAr	StAr means STAR system. Meter would display the last set up value/ system.
5	Press the RIGHT key	"StAr" blinking.	Now other options can be chosen.
6	Press the DOWN key	"StAr" (Star)	Options : StAr (Star/Wye), dELt (Delta) Selected option is displayed
7	Press RIGHT key to set the system type required.	Blinking stops. Displays steady system type.	
8	Press DOWN key to go to next page.	Displays Pt.Pr / Ct.Pr / Pri	Pt.Pr-Pt Primary (In case of Voltmeter) Ct.Pr CT primary (In case of Ammeter) Pri Full scale value (In case of DC meters)
9	Press the RIGHT key to set the PT primary/CT Primary/Primary value	415.0 /5.000/1000	Indicates the last set value. Programmable range:100V 999kV (For Voltmeters) 1A 50kA (For Ammeters) 1 999K (For DC Meters)
10	Press RIGHT key to edit value	Editable digit blinks.	
11	Press DOWN key to change	Changed digit blinks.	Select the required value.
12	Press RIGHT key to accept	Blinking digit stabilizes.	Follow the same procedure to set 4 digits.
13	Press DOWN key	Decimal point blinks	Set Kilo while setting decimal point. Eg : To set 11.00kV. Set 4 digits (1100) as explained above. Press DOWN key to place Decimal point while Kilo LED comes ON.
14	Press Down key to go to next parameter.	Displays Pt.SE / Ct.SE	Pt.SE (In case of Voltmeter) Ct.SE (In case of Ammeter) OFFS Offset value (In case of DC meter)
15	Press the RIGHT Key to edit	415.0 /5.000 /0.t.FS Follow the procedure as per Sl. No. 9 to 11.	PT secondary or CT secondary or 0 to full Scale
16 <sup>(1)</sup>	Press DOWN Key to go to next page.	0 V.A 6.000 (default)	Digital output parameter with threshold value Range : 0.5 to 50 kA Follow steps 10-12 to set the threshold value.
17 <sup>(1)</sup>	Press DOWN Key to go to next page.	tIME 5.000 (default)	Digital output trip delay time Range : 1 to 80 seconds
18	Press DOWN key to go to the next parameter.	SAV Y	To save the setting mode. Option : Y (YES) / n (NO)
19	Press RIGHT key to memorize the changes done.	Display returns to Home page	

<sup>(1)</sup> applicable only for meters with digital o/p.

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