



OPERATING INSTRUCTIONS

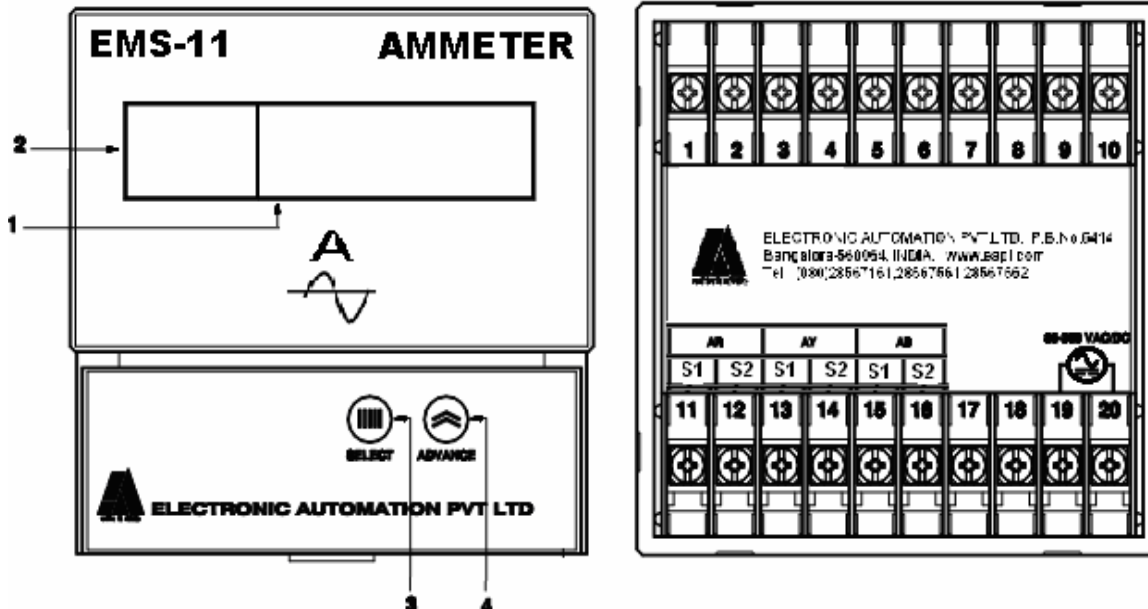
Model : EMS-11,EMS-12,EMS-13,EMS-14

OPI No : OPI/130

PAGE : 01 Of 02

DATE : 10/12/2009

Front Panel Layout:



DESCRIPTION :

- 1) **Display 1:** Shows the numerical values of the parameter.
- 2) **Display 2:** Shows the units of the corresponding parameter.
- 3) **SELECT:** This button is used to select the values during programming.
- 4) **ADVANCE:** This button is used to increment the values during programming.

FUNCTION:

- 1) Connect 3phase 4 wire voltage and current circuit as per the diagram given on the back panel.
- 2) Connect rated auxiliary supply at terminal 19 & 20.
- 3) Moment voltage is applied on auxiliary terminal, display starts showing parameter one by one in auto scrolling mode. Following are the parameters displayed.

PARAMETERS		EMS-11	EMS-12	EMS-13	EMS-14
BASIC	V N-L (R, Y, B)		✓		
	V L-L (R-Y, Y-B, B-R)		✓		
	Ampere (R,Y,B)	✓			
	Frequency			✓	
	PF (R,Y,B)				✓
	PF (Total)				✓

PROGRAM MODE :

Note: Program mode applicable for EMS-11 only.

PRESS	DISPLAY 1 SHOWS	DISPLAY 2 SHOWS	COMMENTS / RANGE / DEFAULT VALUE
“SELECT”	‘0’ 0 0 5	CP	# Enter 4 digit CT-PRIMARY VALUE # RANGE : 0001 - 9999 # DEFAULT VALUE : 0005 # Press “ADVANCE” to set 1 st digit (Rolls from 0 to 9)
“SELECT”	0 ‘0’ 0 5	CP	# Press “ADVANCE” to set 2 nd digit (Rolls from 0 to 9)
“SELECT”	0 0 ‘0’ 5	CP	# Press “ADVANCE” to set 3 rd digit (Rolls from 0 to 9)
“SELECT”	0 0 0 ‘5’	CP	# Press “ADVANCE” to set 4 th digit (Rolls from 0 to 9)
“SELECT”	‘5’	CS	# Enter CT-SECONDARY VALUE # RANGE : 1 - 5 # DEFAULT VALUE : 5 # Press “ADVANCE” to set the digit (Rolls from 1 to 5)