

# USER Manual for Three Phase Timer



Timers are ideal for saving electricity in the day time. These can be used with flood lights in railway yard, garden and streets to switch off the light during the day time and switch on the same after sunset.

These timers have choice of setting the time accordingly to the Month wise. These timers also be used for the controlling of Street light.

Display parameter-

Sr. No	Message	Display	Description
1	R – Phase Voltage	XXX.X	LCD Display
2	Y – Phase Voltage	XXX.X	LCD Display
3	B – Phase Voltage	XXX.X	LCD Display
4	R-Phase Current	XX.XX	LCD Display
5	Y-Phase Current	XX.XX	LCD Display
6	B-Phase Current	XX.XX	LCD Display
7	R-Phase Power factor	XX	LCD Display
8	Y-Phase Power factor	XX	LCD Display
9	B-Phase Power factor	XX	LCD Display
10	Power	XX.XX	LCD Display
11	Frequency	XX.XX	LCD Display
12	Energy	XXXXX.X	LCD Display
13	Time	XX:XX:XX	LCD Display
14	Date	XX:XX:XX	LCD Display

## Programming Parameters

When we press both S2 & S3 switch for then meter goes in to the programming mode.

Sr. No	Programming
1	To enter the programming mode press both the switch
2	The meter shall prompt for entry of password and LCD show "P 0000".
3	The default password is "1000"
4	Now press S3 switch then Show "P 0000 <sup>01</sup> ". Now we can set the first digit with the help of S3.now set "1" .
5	press switch S2, LCD shows "P 1000 <sup>02</sup> ".then again press switch S2 , LCD shows "P 1000 <sup>03</sup> " and then again press switch S2 , LCD shows "P 1000 <sup>04</sup> " .

6	January On Time Setting	Now meter goes into the Setting of On Time and LCD shows "On 01" then press time setting of January month.LCD shows ""JA:XX:XX".
7		Now press switch S3 then LCD shows"JA : XX: XX <sup>01</sup> " , we can set the first digit of "XX:XX" with the help of S3 switch.
8		Now press switch S2 then LCD shows"JA : XX: XX <sup>02</sup> " , we can set the Second digit of "XX:XX" with the help of S3 switch.
9		Now press switch S2 then LCD shows"JA : XX; XX <sup>03</sup> " , we can set the Third digit of "XX:XX" with the help of S3 switch.
10		Now press switch S2 then LCD shows"JA : XX; XX <sup>04</sup> " , we can set the fourth digit of "XX:XX" with the help of S3 switch. Then press switch S2 now January month time setting is complete.
11	February On Time Setting	Now press Switch S2 then we goes into the February month setting .LCD shows "Fb:XX:XX".
12		Now press switch S3 then LCD shows"Fb : XX: XX <sup>01</sup> " , we can set the first digit of "XX:XX" with the help of S3 switch.
13		Now press switch S2 then LCD shows"Fb : XX: XX <sup>02</sup> " , we can set the Second digit of "XX:XX" with the help of S3 switch.
14		Now press switch S2 then LCD shows"Fb : XX; XX <sup>03</sup> " , we can set the Third digit of "XX:XX" with the help of S3 switch.
15		Now press switch S2 then LCD shows"Fb : XX; XX <sup>04</sup> " , we can set the fourth digit of "XX:XX" with the help of S3 switch. Then press switch S2 now February month time setting is complete.
16	March On Time Setting	Now press Switch S2 then we goes into the March month setting .LCD shows "mr:XX:XX".
17		Now press switch S3 then LCD shows"mr : XX: XX <sup>01</sup> " , we can set the first digit of "XX:XX" with the help of S3 switch.
18		Now press switch S2 then LCD shows"mr : XX: XX <sup>02</sup> " , we can set the Second digit of "XX:XX" with the help of S3 switch.
19		Now press switch S2 then LCD shows"mr : XX; XX <sup>03</sup> " , we can set the Third digit of "XX:XX" with the help of S3 switch.
20		Now press switch S2 then LCD shows"mr : XX; XX <sup>04</sup> " , we can set the fourth digit of "XX:XX" with the help of S3 switch. Then press switch S2 now May month time setting is complete.
21	April On Time Setting	Now press Switch S2 then we goes into the April month setting .LCD shows "AP:XX:XX".
22		Now press switch S3 then LCD shows"AP : XX: XX <sup>01</sup> " , we can set the first digit of "XX:XX" with the help of S3 switch.
23		Now press switch S2 then LCD shows"AP : XX: XX <sup>02</sup> " , we can set the Second digit of "XX:XX" with the help of S3 switch.
24		Now press switch S2 then LCD shows"AP : XX; XX <sup>03</sup> " , we can set the Third digit of "XX:XX" with the help of S3 switch.
25		Now press switch S2 then LCD shows"AP : XX; XX <sup>04</sup> " , we can set the fourth digit of "XX:XX" with the help of S3 switch. Then press switch S2 now April month time setting is complete.
26		Now press Switch S2 then we goes into the may month setting .LCD

		shows "mY:XX:XX".
27	May On Time Setting	Now press switch S3 then LCD shows "mY : XX: XX <sup>01</sup> ", we can set the first digit of "XX:XX" with the help of S3 switch.
28		Now press switch S2 then LCD shows "mY : XX: XX <sup>02</sup> ", we can set the Second digit of "XX:XX" with the help of S3 switch.
29		Now press switch S2 then LCD shows "mY : XX: XX <sup>03</sup> ", we can set the Third digit of "XX:XX" with the help of S3 switch.
30		Now press switch S2 then LCD shows "mY : XX: XX <sup>04</sup> ", we can set the fourth digit of "XX:XX" with the help of S3 switch. Then press switch S2 now may month time setting is complete.
31	June On Time Setting	Now press Switch S2 then we goes into the june month setting .LCD shows "Jn:XX:XX".
32		Now press switch S3 then LCD shows "Jn : XX: XX <sup>01</sup> ", we can set the first digit of "XX:XX" with the help of S3 switch.
33		Now press switch S2 then LCD shows "Jn : XX: XX <sup>02</sup> ", we can set the Second digit of "XX:XX" with the help of S3 switch.
34		Now press switch S2 then LCD shows "Jn : XX: XX <sup>03</sup> ", we can set the Third digit of "XX:XX" with the help of S3 switch.
35		Now press switch S2 then LCD shows "Jn : XX: XX <sup>04</sup> ", we can set the fourth digit of "XX:XX" with the help of S3 switch. Then press switch S2 now june month time setting is complete.
36	July On Time Setting	Now press Switch S2 then we goes into the July month setting .LCD shows "JU:XX:XX".
37		Now press switch S3 then LCD shows "JU : XX: XX <sup>01</sup> ", we can set the first digit of "XX:XX" with the help of S3 switch.
38		Now press switch S2 then LCD shows "JU : XX: XX <sup>02</sup> ", we can set the Second digit of "XX:XX" with the help of S3 switch.
39		Now press switch S2 then LCD shows "JU : XX: XX <sup>03</sup> ", we can set the Third digit of "XX:XX" with the help of S3 switch.
40		Now press switch S2 then LCD shows "JU : XX: XX <sup>04</sup> ", we can set the fourth digit of "XX:XX" with the help of S3 switch. Then press switch S2 now July month time setting is complete.
41	August On Time Setting	Now press Switch S2 then we goes into the August month setting .LCD shows "AU:XX:XX".
42		Now press switch S3 then LCD shows "AU : XX: XX <sup>01</sup> ", we can set the first digit of "XX:XX" with the help of S3 switch.
43		Now press switch S2 then LCD shows "AU : XX: XX <sup>02</sup> ", we can set the Second digit of "XX:XX" with the help of S3 switch.
44		Now press switch S2 then LCD shows "AU : XX: XX <sup>03</sup> ", we can set the Third digit of "XX:XX" with the help of S3 switch.
45		Now press switch S2 then LCD shows "AU : XX: XX <sup>04</sup> ", we can set the fourth digit of "XX:XX" with the help of S3 switch. Then press switch S2 now August month time setting is complete.
46	September On Time Setting	Now press Switch S2 then we goes into the September month setting .LCD shows "SE:XX:XX".
47		Now press switch S3 then LCD shows "SE : XX: XX <sup>01</sup> ", we can set

		the first digit of "XX:XX" with the help of S3 switch.
48		Now press switch S2 then LCD shows"SE : XX: XX <sup>02</sup> " , we can set the Second digit of "XX:XX" with the help of S3 switch.
49		Now press switch S2 then LCD shows"SE : XX; XX <sup>03</sup> " , we can set the Third digit of "XX:XX" with the help of S3 switch.
50		Now press switch S2 then LCD shows"SE : XX; XX <sup>04</sup> " , we can set the fourth digit of "XX:XX" with the help of S3 switch. Then press switch S2 now September month time setting is complete.
51	October On Time Setting	Now press Switch S2 then we goes into the October month setting .LCD shows "OC:XX:XX" .
52		Now press switch S3 then LCD shows"OC : XX: XX <sup>01</sup> " , we can set the first digit of "XX:XX" with the help of S3 switch.
53		Now press switch S2 then LCD shows"OC : XX: XX <sup>02</sup> " , we can set the Second digit of "XX:XX" with the help of S3 switch.
54		Now press switch S2 then LCD shows"OC : XX; XX <sup>03</sup> " , we can set the Third digit of "XX:XX" with the help of S3 switch.
55		Now press switch S2 then LCD shows"OC : XX; XX <sup>04</sup> " , we can set the fourth digit of "XX:XX" with the help of S3 switch. Then press switch S2 now October month time setting is complete.
56	November On Time Setting	Now press Switch S2 then we goes into the November month setting .LCD shows "nO:XX:XX" .
57		Now press switch S3 then LCD shows"nO : XX: XX <sup>01</sup> " , we can set the first digit of "XX:XX" with the help of S3 switch.
58		Now press switch S2 then LCD shows"nO : XX: XX <sup>02</sup> " , we can set the Second digit of "XX:XX" with the help of S3 switch.
59		Now press switch S2 then LCD shows"nO : XX; XX <sup>03</sup> " , we can set the Third digit of "XX:XX" with the help of S3 switch.
60		Now press switch S2 then LCD shows"nO : XX; XX <sup>04</sup> " , we can set the fourth digit of "XX:XX" with the help of S3 switch. Then press switch S2 now November month time setting is complete.
61	December On Time Setting	Now press Switch S2 then we goes into the December month setting .LCD shows "dE:XX:XX" .
62		Now press switch S3 then LCD shows"nO : XX: XX <sup>01</sup> " , we can set the first digit of "XX:XX" with the help of S3 switch.
63		Now press switch S2 then LCD shows"nO : XX: XX <sup>02</sup> " , we can set the Second digit of "XX:XX" with the help of S3 switch.
64		Now press switch S2 then LCD shows"nO : XX; XX <sup>03</sup> " , we can set the Third digit of "XX:XX" with the help of S3 switch.
65		Now press switch S2 then LCD shows"nO : XX; XX <sup>04</sup> " , we can set the fourth digit of "XX:XX" with the help of S3 switch. Then press switch S2 now August month time setting is complete.
66	Off Time Setting	Now press Switch S2 then we goes into the Off time setting and LCD shows "Off 01" and with the help of Step 6-65 we can set monthly off time setting.
67		Now press switch S2 then we goes into the real time setting.LCD shows "XX:XX:XX"

68	Real Time Setting	Press the switch S3 then set the first digit of time and LCD shows "XX : XX:XX <sup>01</sup> ".and now set the first digit of the time with the help of S3 Switch.
69		Press the switch S2 then we can set the second digit of time and LCD shows "XX : XX:XX <sup>02</sup> ".and now set the second digit of the time with the help of S3 Switch.
70		Press the switch S2 then we can set the third digit of time and LCD shows "XX : XX:XX <sup>03</sup> ".and now set the third digit of the time with the help of S3 Switch.
71		Press the switch S2 then we can set the fourth digit of time and LCD shows "XX : XX:XX <sup>04</sup> ".and now set the fourth digit of the time with the help of S3 Switch.
72		Press the switch S2 then we can set the fifth digit of time and LCD shows "XX : XX:XX <sup>05</sup> ".and now set the fifth digit of the time with the help of S3 Switch.
73		Press the switch S2 then we can set the Sixth digit of time and LCD shows "XX : XX:XX <sup>06</sup> ".and now set the sixth digit of the time with the help of S3 Switch.
74	Date Setting	Press the switch S2 then we goes into the Date setting.LCD shows "XX:XX:XX"
75		Press the switch S3 then we can set the first digit of Date and LCD shows "XX : XX:XX <sup>01</sup> ".and now set the first digit of the date with the help of S3 Switch.
76		Press the switch S2 then we can set the second digit of date and LCD shows "XX : XX:XX <sup>02</sup> ".and now set the second digit of the date with the help of S3 Switch.
77		Press the switch S2 then we can set the third digit of date and LCD shows "XX : XX:XX <sup>03</sup> ".and now set the third digit of the date with the help of S3 Switch.
78		Press the switch S2 then we can set the fourth digit of date and LCD shows "XX : XX:XX <sup>04</sup> ".and now set the fourth digit of the date with the help of S3 Switch.
79		Press the switch S2 then we can set the fifth digit of date and LCD shows "XX : XX:XX <sup>05</sup> ".and now set the fifth digit of the date with the help of S3 Switch.
80		Press the switch S2 then we can set the Sixth digit of date and LCD shows "XX : XX:XX <sup>06</sup> ".and now set the sixth digit of the time with the help of S3 Switch. Now press the switch S2 then meter goes outside the programming mode.

### Connection Diagram-

- 1S → R-phase supply
- 1L → R-phase Load
- 2S → Y-phase supply
- 2L → Y-phase Load
- 3S → B-phase supply
- 3L → B-phase Load
- OS → Neutral Supply
- OL → Neutral Load



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