



EMC AUTOMATION PVT. LTD.

Programmable Logic Controller

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Specification :

1. **No. of Inputs** : 12 Nos. Optically isolated.
2. **Type of Inputs** : 24V DC/50mA such as from D.C. Proximity Switch or Potential free contacts.
3. **No. of Outputs** : 12 Nos. Optically isolated.
4. **Type of Outputs** : Open collector transistor rated at 30V/3A. External fast Blow fuse of 2A should be Provided to protect the transistors.
5. **Counters** : 6 Digits 1 No.
6. **Pulse to counters** : Internal from operating sequence.
7. **Timers** : 12 Nos. Standard. For options consult factory.
8. **Timers Range** : 0 to 999.9 Sec.
9. **Timers Setting** : By Front Keys..
10. **Time Base** : Quartz Crystal.
11. **Timer Mode** : Down counting standard optional up counting.
12. **Timer Accuracy & Repeatability** : $\pm .01\%$
13. **Displays** : 6 Nos. 7 Segments Red LED's.
(2 for Ch: Nos. & 4 Datas)
14. **Keys** : 8 Key Std.
15. **Data Programming** : By Front panel keys.
16. **Program Facilities** :
 - a) Testing of keys & displays.
 - b) Testing of Individual outputs.
 - c) Testing of Individual Inputs.
 - d) Programming of all parameters by Front keys.
 - e) System operation & fault finding Error codes.
 - f) Sequential display of timers.

MICRO PLC

17. Other facilities :

- a) Battery backup for data memory.
- b) Power fluctuation Indication.
- c) Watch dog timer for CPU check.
- d) Functional LED Indications.
- e) Locking of Keys to prevent unauthorized access.
- f) Input, Output Indication for fault finding.

18. Front panel components :

- a) 6 Nos. 7 segment Red LED.
- b) 10 functional Led's.
- c) 8 Keys.
- d) Input LED - Green
- e) Output LED - Red

19. Back side components :

- a) 3 way terminal for L.N.E.. with mov.
- b) Fuse for above.
- c) Heat sink with power Regulator.
- d) 16 pin HCL connector for Outputs,
- e) 16 pin HCL connector for Inputs.



20. **Operating Sequence** : Stored program as per customers flow chart.

21. **Operating Temperature** : 0 - 55°C.

22. **Relative Humidity** : 5% to 95% Rh. Non condensing.

23. Construction :

- a) Plated MS inside chasis.
- b) ABS moulded cover.
- c) Front Membrane Key pad.
- d) Easy mounting & removals of cards.

24. **Power required** : Isolated 230 VAC $\pm 10\%$ 50hz, single phase.
OR
24VDC $\pm 10\%$ Please specify. .

25. Size :

- a) Overall (H) 96mm x (W) 192mm x (D) 230mm
- b) Cutout 90mm x 184mm