

PLC Trainer Digital Analog

Technical Specification

- Allen Bradley Micrologix1200 series PLC
- configurable to both 24v dc & 230vac, Built in 24 V DC power supply,
- 14 inputs, 10 outputs Optically isolated I/Os, Digital inputs & outputs.
- 2 analog input output
- I/O LED indication on front line panel, 64 Kbytes memory,
- I/O simulating devices (Toggle switch ,),
- Provision to interface PLC module with
- customized system and for student project interface.
- Relays protected output
- Mains socket with self illuminated switch and dual fuse protection.
- All major components is covered with acrylic or transparent sheet .
- USB based programming

Real Time Hardware experimental modules

- Sequential motor Starter interface
- Star /delta starter interface
- DOL Starter
- Water level controller
- Reaction vessel interface
- Resistance welding interface
- Traffic Light
- Car parking interface
- Piston cylinder interface

Uses / Utility

- In Industry, There are so many production tasks which are of highly repetitive nature .Although repetitive and monotonous, each stage need careful attention of the operator to ensure good quality of final product.
- Many time close supervision of processes causes high fatigue on operator resulting in loss of track of process control.
- Some time it is hazardous also as in the case of potentially explosive chemical processes.
- Under all such condition we can use Plcs effectively in totally eliminating the possibilities of Human error.



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