

PLC 33 | PLC TRAINER



The PLC trainer provides to the student the ability to study the Programmable Logic Device applications in the Industrial and Modern Home automations .

The PLC trainer has the necessary quality and safety provisions that make it ideal for training.

The following subjects are covered with the PLC trainer:

Logic gates AND, OR, NOT, NOR, NAND – Timer functions (coupling - decoupling delay) – Motor control – Change of the rotation direction – Ventilation control – Doors and

windows control in a building – School bell programming – Door automation – Lights automation – Watering automation – Combined operations

- The PLC trainer is developed on a panel with all the necessary test points and safety sockets for the execution of the experiments.
- The trainer has a stand alone operation with a programmer and an LCD display incorporated. It can be programmed to the FBD language.
- It has six (6) 12Volt digital inputs with switches and state of operation LED displays for the execution of the experiments. It also has two (2) analog inputs.
- The trainer has also inputs that can be stimulated by temperature, light and magnetic contact sensors and button switches (NO, NC) and a double action terminal switch.
- It has 4 outputs with safety sockets for driving the various loads provided with the trainer or other external and schuco sockets for 230 Volt loads.
- The loads provided with the trainer are for movement, lighting and alarm simulation and aid the execution of all the provided experiments.
- It also has a real time clock incorporated.
- The trainer has a (student's – instructor's) experiments manual and all the necessary components for the execution of the provided experiments.
- It has an output for connection to the PC with the necessary software for experiments simulation in the Windows environment. A cable – interface is provided for the connection to the PC.