7. Automatic control and communication

PLC Application Panels

Training objectives
• To program different types of real time applications using PLCs.
• To draw operation logic and build relevant flowcharts and convert them into PLC programs.
• These are closed loop applications, which yield actual results as seen in applications around us.
• This method empowers the programmer to cross verify the logic by putting them into operation using these simple I/O panels.
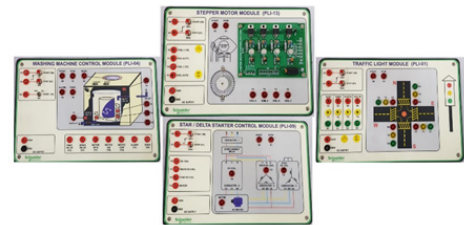
Presentation

These panels are designed to study the principles of industrial automation. The various types of PLC applications are adopted from industrial applications, building applications or general applications available around us. These panels allow the programmer to connect this application panel to the PLC and make the system operational. The resultant output allows the programmer to analyze the fault and make necessary changes to suit the applications.

Description

Different types of applications:
• PLI-01 - Traffic Light Module
• PLI-02 - Vehicle Parking Module
• PLI-03 - Elevator Lift Module
• PLI-04 - Washing Machine Control Module
• PLI-05 - Bottle Filler Control Module
• PLI-06 - Packing Module
• PLI-07 - Level & Pump Control Module
• PLI-08 - Fan Control Module
• PLI-09 - Star/Delta Starter Control Module
• PLI-10 - Safety Door Control Module
• PLI-11 - Conveyor Belt Control Module
• PLI-12 - Stepper Motor Module
• PLI-13 - DC Motor Control Module

References	
Description	Reference No.
PLC Applications Panels	AET-K01-PAK