A PLC Input/Output Trainer Kit is an educational and training tool designed to help users learn about Programmable Logic Controllers (PLC's) and their applications in automation. It typically includes the following components:

Features
1. **PLC Unit**: A programmable logic controller that can be programmed for various control tasks.
2. **Input Modules**: Simulates real-world input signals such as push buttons, switches, sensors, etc.
3. **Output Modules**: Controls output devices like motors, lights, relays, and other actuators.
4. **Programming Software**: Allows users to create, test, and debug PLC programs.
5. **Interface Board**: Connects the input/output devices to the PLC.

List of Experiments
1. To perform the experiment for the testing and operation of the PLC I/O Kit .
2. To perform the experiment for the AND Gate on the PLC Trainer Kit .
3. To perform the experiment for the OR Gate on the PLC Trainer Kit .
4. To perform the experiment for the Inductive Proximity Sensor on the PLC I/O Kit .
5. To perform the experiment for the Two Point Selector Switch .

Specifications
Parts of the PLC I/O Trainer Kit
1. INPUTS :   There are 4 Inputs named as Input 1 , Input 2 , Input 3 , Input 4 :-
   a) Green Button for the Input-1
   b) Blue Button for the Input-2
   c) Red Button for the Input-3
   d) Inductive Sensor as an Input-4

2. OUTPUTS :   There are 3 Outputs named as Output 1, Output 2 , Output 3 :-
   a) Green Led the Output 1
   b) Blue Led for the Output 2
   c) Amber Led for the Output 3

3. 2 Pos. Switch (Inputs) : For Inputs 5 and 6

Other Apparatus Required :
1. Ethernet Cable
2. Mains Cable

Note: Specifications are subject to change.