



Conveyor Control by PLC enables students and practicing engineers to gain invaluable practical experience to understand the use of Conveyors and its control using PLC in the process industries. The object is to connect and program an external PLC (Programmable Logic Controller) to monitor & control a process which uses a conveyor.

It is a single stage unit having a conveyor along with mounting assembly of two sensors. Two types of boxes travel on conveyor one is of metal & other is of non-metal, one sensor is for counting & other is for detecting the type of box. Unit has inputs to PLC like On/Off, auto/manual control and some extra inputs are also given. Similarly the outputs of PLC are available on the panel. One buzzer is also given as annunciator.

Note: It can only be used in combination with PLC Trainer 52014, 52015, 52016 and 52018, 52019.

Features

1. Real time conveyor control by PLC
2. Product sorting
3. Works on both Auto/Manual mode
4. Provision for user to expand the number of sensors
5. Exhaustive course material & references
6. Optional application boards

Technical Specification:

1. Digital Input pin voltage : 24 V DC when particular I/P are activated for PLC (To work with 52014, 52015, 52016 52018, 52019)
2. Digital Output pin voltage : 5 V DC when particular O/P is activated from PLC (To work with 52014, 52015, 52016 52018, 52019)
3. IR Sensor : 24 V DC output
4. Proximity Sensor : 24 V DC output
5. DC Motor : 5 V DC
6. Toggle Switches : Two
7. Latch Switches : Two
8. Power Supply : From PLC trainer (24 V DC & 5 V DC)
9. Interface : 2mm patch cords needed along with PLC trainer

Note: Specifications are subject to change.