



PLC BASED LIFT SIMULATOR MODULE

The **PLC Based Lift Simulator Module (PCST – 11)** gives an idea regarding usage of Programmable Logic Controllers in industrial application.

Technical Specification-

No.	Item Name	Technical Specifications
1	PLC-	Siemens Logo / Allen Bradley Micro 810 /Equivalent Actual Plant I/O: Digital Inputs: 6, Digital Outputs: 2
2	Motor-	DC Motor 12V DC operated / 1 ϕ 230V AC Motor, with pulley mechanism. Torque: 10 Kg/cm ² , 30 RPM.
3	Overall Dimensions-	1.5ft (L) X 1 ft. (W) X 2.5 ft. (H)
4	Indicating Lamps-	24 VDC Operated.
5	Proximity Sensors-	Type: Inductive 3 wire, 24V DC Operated, PNP NO type, Diameter: 18 mm, Sensing Distance: 5 mm.

Range of experiments:

- ❖ Study of PLC Program for Lift.
- ❖ Study of lift position control.
- ❖ Study of sequencing and priority of position of lift.
- ❖ Study of combination logic of lift Operation Control.

Features: -

- ❖ Compact Ergonomic Design.
- ❖ User Friendly, Self Explanatory Systems.
- ❖ Robust Construction.
- ❖ Enhanced Electrical Safety Considerations.
- ❖ Training Manuals, Ladder Diagrams for Operation Ease.
- ❖ M.S. powder coated cubical plant with standard Instrument Mountings.
- ❖ Inbuilt Safety Measures to avoid improper usage.
- ❖ Computer Interface (**Optional**) for ladder programming.
- ❖ Three floor lift module.
- ❖ Chain pulley block mechanism.
- ❖ Bidirectional motor controlling the movement of the lift.
- ❖ Proximity sensors for sensing lift position.
- ❖ Push button switches along with position sensors for motor direction control.
- ❖ PLC with 8 DI/DO Configurations & PC-PLC communication cable (**Optional**), standard Program.
- ❖ Caster wheel mounted movable frame

System Dimension: 1.5Ft. (L) X 1.125Ft. (W) X 2.5 Ft. (H)

Weight: Approx. 22Kgs

Note:

All descriptive matter and illustrations are intended to give only a general idea of the equipment
Detailed specifications may be altered at the company's discretion without any notice.

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