The PLC Based Lift Simulator Module   gives an idea regarding usage of Programmable Logic Controllers in industrial application.

TECHNICAL SPECIFICATION

PLC	Siemens Logo / Allen Bradley Micro 810 / Equivalent Actual Plant I/O: Digital Inputs: 6, Digital Outputs: 2
Motor	DC Motor 12V DC operated / 1f 230V AC Motor, with pulley mechanism. Torque10 Kg/cm^2, 30 RPM.
Overall Dimensions	1.5ft (L) X 1 ft. (W) X 2.5 ft. (H)
Indicating Lamps	24 VDC Operated.
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: Specifications are subject to change.