

**SAP E&C PLC BASED LIFT SIMULATOR
MODULE (PCST 11)**



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

Technical Specification: -

- ❖ PLC: - Allen-Bradley / Equivalent
Actual Plant I/O:
Digital Inputs: 6
Digital Outputs: 2
- ❖ Motor: - 230V AC Single phase, with chain mechanism.
Torque: 10 Kg/cm², 30 RPM.
- ❖ Indicating Lamps: - 24 VDC Operated.
- ❖ Proximity Sensors: - Type: Inductive 2 wire,
Diameter: 18 mm,
Sensing Distance: 5 mm.

Features: -

- ❖ Compact Ergonomic Design.
- ❖ User Friendly, Self Explanatory Systems.
- ❖ Robust Construction.
- ❖ Enhanced Electrical Safety Considerations.
- ❖ Training Manuals, Ladder Diagrams for Operation Ease.
- ❖ System Frame with Caster Wheel Arrangement for ease in movement.
- ❖ M.S. powder coated cubical plant with standard Instrument Mountings.
- ❖ Inbuilt Safety Measures to avoid improper usage.
- ❖ Computer Interface (Optional), for ladder programming.

System specifications:

- ❖ Three floor lift module.
- ❖ Lift room block (6”X6”X6”) moving in a MS powder coated duct size 1.5ft (L) X1.5ft (W) X 5.5ft (H).
- ❖ 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.
- ❖ Digital Input - 6 no.
- ❖ Digital Output- 2 no.
- ❖ PLC with 8 DI/DO Configurations & PC-PLC communication cable, standard Program.
- ❖ Overall Dimensions: 1.5 ft (W) X 2 ft. (L) X 5.5 ft. (H)

Range Of Experiments:

- ❖ Study of PLC Programming.
- ❖ Study of lift position control.
- ❖ Study of sequencing and priority of position of lift.
- ❖ Study of combination logic of lift position.

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.

Manufactured / Marketed by	
SAP ENGINEERS AND CONSULTANTS	
Regd. Off.	: Shop No. 26, 27 Srushti, S. No. 82/11+12++33+34, Eklavya Clg Rd (D. P. Road), Kothrud, Pune- 38
Telephone	: (020) 25384737
Mobile	: (+91) 9422088946, 9552475082
Fax	: (020) 25383544
Email	: pravinsdeode@vsnl.net
Website	: www.sapengineers.com / www.sapengineers.co.in

