

SAP E&C PLC BASED WATER LEVEL CONTROL MODULE (PCST 12)



PLC Based Level Control Module gives an idea regarding the usage of Programmable Logic Controllers in an industrial environment. It considers an example of Level Control Process.

Technical Specification: -

- ❖ PLC: - Allen-Bradley / Equivalent
Actual Plant I/O:
Digital Inputs: 3
Digital Outputs: 2
- ❖ Level Tank: - Material: Transparent acrylic
Dimension: 150 (L) mm×150 (W) mm×400(H) mm
- ❖ Sump Tank: - Material: Stainless Steel, 2 mm thick/P.P 5mm thick
Capacity: 30 liters,
Dimension: 1ft (L) ×1ft (W) ×1 ft (H).
- ❖ Fractional HP Pump: - 230V AC Single-phase, Vertical, SS body.
- ❖ Level Switch: - Float operated,
Float Material: SS304
Switching voltage: 240 VAC\200 VDC
Switching Current: 2A
Switch Action: Reversible
Weight: 315 Gms
- ❖ Indicating Lamp: - 24 VDC Operated.
- ❖ Solenoid valve: - 230V Single phase.½” size, Vertical mounting

Features: -

- ❖ Turnkey system.
- ❖ Two line display on PLC unit for programming.
- ❖ Sump tank (5 mm PVC FOAM SHEET) with pump for recirculation Of water: 1 Ft × 1 Ft ×1 Ft.
- ❖ Transparent acrylic level tank (6''×6''×16'', 5 mm thick.)
- ❖ Side mounted miniature level switches (3 no.) for water level position Inputs to PLC unit.
- ❖ Solenoid valve & pump control from digital outputs on PLC (2 no.)
- ❖ Ms Powder coated tabletop frame containing water level module.
- ❖ I/P-O/P LED indication on front panel.
- ❖ PC interface facility: PC-PLC CABLE.
- ❖ Control panel for visual indication of process.
- ❖ Necessary I/P- O/P simulating devices.
- ❖ Ladder diagram programming facility on PC.
- ❖ Electrical control panel for simulation of digital inputs.
- ❖ Front panel for display of digital output status.
- ❖ PLC with 8 DI/DO Configurations & PC-PLC communication cable, standard Program.
- ❖ Computerized control system trainer (optional).

PLC MAKE: Allen-Bradley/OMRON/Equivalent.

Services Required:

- ❖ 230 V AC 50 Hz Single Phase Supply.
- ❖ Water Supply & Drainage Arrangement.

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 notice.

Manufactured / Marketed by

SAP ENGINEERS & CONSULTANTS

Sales Office: Shop no.A-26, Srushti, S.NO.82/11+12+33+34, Nr. Guruganesh Nagar, Eklavya college Road (D P Road), Kothrud, Pune-411038.

Regd. Office: 2, Nirmitee Vihar, S.NO.52, Plot no.35/2, Kothrud, Pune-411038.

Tel: (020)25384737, **Fax:** (020)25383544 **Cell:** (0)9422088946

E-mail: pravinsdeode@vsnl.net

Website: www.sapengineers.co.in, www.indiamart.com/sapengineers