

SP6R

SET POINT LEVEL CONTROLLER



OVERVIEW

The SP6R Level Controller is a simple, easy-to-use micro-processor-based controller which monitors any 4-20mA signal. It has six programmable relay outputs that can be used for control and alarm.

The transducer input zero and span are fully configurable. A simulation mode allows the user to test the set points and relay operation. The controller can be configured for pump up or pump down applications, including level monitoring, pressure, temperature, flow and analytical.

The SP6R level controller is available in a NEMA 4X enclosure. These units are ideal for replacing float switch or bubbler control systems.



Complete turn-key control systems are available through our Premier Engineered Controls product line.

SPECIFICATIONS

- **Analog Input**
0.1% resolution 4-20mA signal, built in noise filtering and averaging
- **Excitation Voltage**
6 programmable relay outputs with LED indication. Form C contacts rated at 10A at 240 VAC
- **Level Display**
Avionics grade, alpha-numeric character LED for process value display and program parameters.
- **Power**
24 VDC (+/- 10%)
200mA nominal, 400mA max.
- **Keypad**
Arrow keys for navigation through the configuration and to adjust set points
- **Operating Temperature**
-20°C to 70°C (-4°F to 158°F)
- **Simulation Mode**
Process value is simulated to verify proper relay sequence operation.
- **Bar Graph**
20 segment bar graph display is scalable to represent actual level in percentage



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