

# SP6R-X

## SET POINT LEVEL CONTROLLER



### OVERVIEW

The SP6R-X Level Controller is a simple, easy-to-use microprocessor-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 scale and offset 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-X 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. Contact us for a quote.

### SPECIFICATIONS

- **Analog I/O**  
Analog Input: 4-20mA, 14-bit, non-isolated  
Analog output: 4-20mA, 12-bit, non-isolated
- **Relay Outputs**  
6 programmable relay outputs with LED indication. Normally open contacts rated 3A at 120 VAC.
- **Level Display**  
2.7" blue OLED 64x256 pixel display for process value display, relay output status indications, and program settings.
- **Power**  
24 VDC (+/- 10%)  
325mA max.
- **User Interface**  
Rotary selector knob and back/escape pushbuttons give intuitive menu navigation and quick setting adjustments.
- **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**  
Bar graph integrated into level display is scalable to represent actual level in percentage
- **Serial Communication Port**  
RS-485 Modbus RTU designed for compatibility with Pump Watch™ Express Gateway



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