

EPC Single Process Controller

SCADA OR LOCAL CONTROL OF MODEL 2SC-PCO DUAL SOLENOID VALVES FOR SINGLE PROCESS

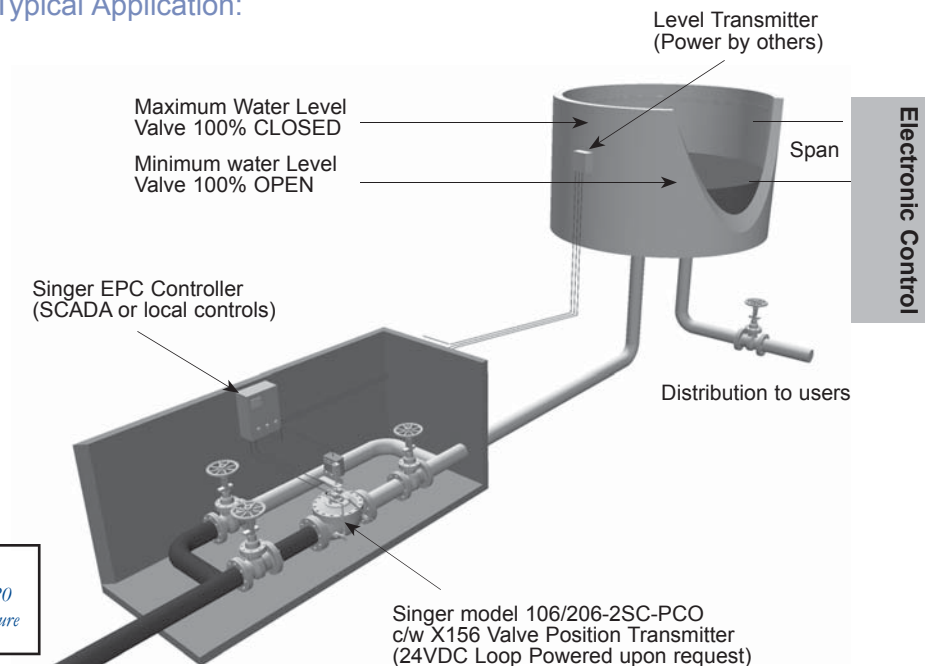


The SINGER VALVE model EPC is a single process loop controller designed to complement the Singer Model 2SC-PCO Dual Solenoid Control Valve. Range of application is dependent on the PROCESS VARIABLE (feedback) transmitter used, which includes (but not limited to) common automatic control valve functions with conventional pilots.

Model EPC controller reads and compares the process feedback (PROCESS VARIABLE) 4 to 20mA signal to the desired setting (SETPOINT) 4 to 20mA signal. Model EPC then accurately positions the valve to bring the PROCESS VARIABLE towards the SETPOINT until they coincide.

- SIMPLIFIED LOOP PROCESS CONTROLLER WITH ADVANCED PID IMPLEMENTATION
- QUICK CONFIGURATION FOR ANY SINGLE PROCESS APPLICATION SUCH AS FLOW, PRESSURE, DELTA P, OR LEVEL
- CAPABLE OF REMOTE 4 TO 20mA SCADA PROCESS SETPOINT ADJUSTMENT
- PRECISE AND STABLE VALVE POSITIONING
- CLEAR, LOGICAL, AND SIMPLIFIED SET-UP AND WIRING
- IP65 (NEMA 4) FRONT PANEL SEALING, 1/4 DIN PACKAGE SCALABLE READOUTS WITH SUPER BRIGHT LCD

Typical Application:



When Ordering Please Specify:

1. Catalog Model #
2. Solenoid Voltage
3. Source of Set Point Signal (4-20 mA.)
4. Source of Process Variable Signal
5. Optional Nema 4X Enclosure

Specifications:

The controller shall be a Singer Valve model EPC Controller, powered by 100 VAC to 240 VAC 50/60Hz source. The controller shall come complete with configuration buttons and solid state construction with internal chassis capable of being removed for inspection.

- The controller shall accept a continuous PROCESS VARIABLE (feedback) 4-20mA signal and a continuous SETPOINT (command) 4-20mA signal. The dual solenoid valve shall be positioned by the controller to bring the PROCESS VARIABLE towards the SETPOINT.
- The controller shall have a built-in, adjustable, advanced P.I.D. optimization for accuracy.
- Deadband, Zero, and Span of 4 to 20mA signal shall be easily adjusted via pushbuttons.
- The controller shall have a readout for valve operation..
- Prior to shipment, the controller shall undergo full function and operational tests.

Singer Valve Inc. • 12850 - 87th Avenue • Surrey, British Columbia, Canada V3W 3H9
 Tel: 604 594 5404 • Fax: 604 594 8845 • Toll-Free Fax (US & Canada): 1 800 663 7266
 E-Mail: singer@singervalve.com • singervalve.com • *An ISO 9001:2000 Registered Company*