

SCP-TP Single-Process Control Panel

Quick configuration for any single process application

- Compatibility with remote SCADA Modbus, Hardwired 4 to 20 mA or local set-point adjustment
- Simplified single loop process controller with P.I.D. implementation, ON/OFF or 4-20mA motor control
- Selectable input controls and output alarms
- IP 66, 67 NEMA 4X rated panel
- Colour touch screen interface display
- Equipped with data logging features

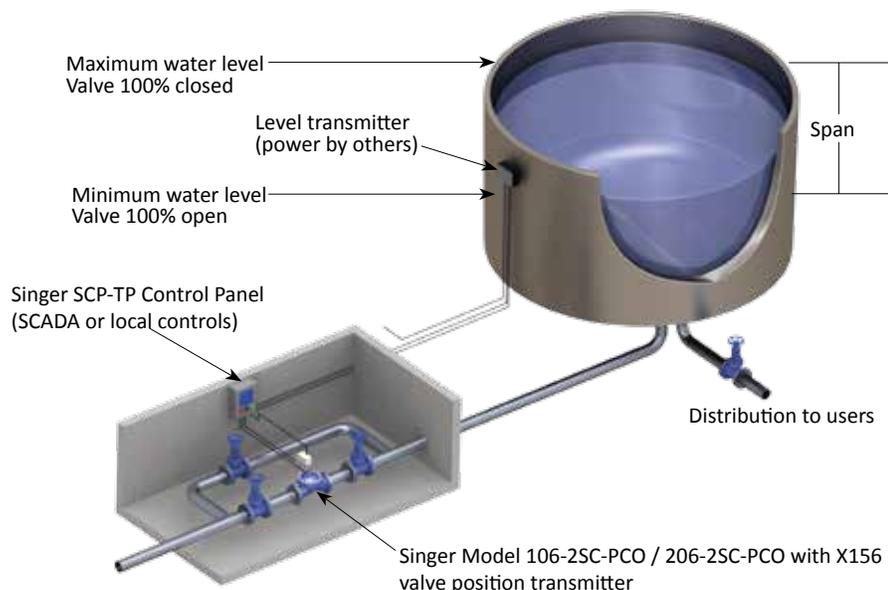


Product Overview

The SCP-TP Controller is a simplified process controller designed to complement the Dual Solenoid Control Valve. It offers quick and easy configuration for any single process application as well as on/off applications. The SCP-TP is also equipped to be configured to control the Singer 420DC Motor. 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. The SCP-TP Controller reads and compares the process feedback (process variable) 4 to 20 mA signal to the desired setting (set-point) 4 to 20 mA signal. The SCP-TP then accurately positions the valve to bring the process variable towards the set-point until they coincide. The SCP-TP is also equipped with data logging features that when enabled can log all sensor feedback and setpoint data with a time stamp.

Ideal for:

- Level control
- Pressure control
- Flow control
- Position control
- Data logging
- 420DC Control



SCP-TP

Single-Process Control Panel



Technical Specifications

Display:	Coloured Touch Screen Interface (standard) 3.5" TFT Transmissive Color, QVGA (320x240)
Input Power Supply:	120VAC, 60 Hz, Typical Load: 0.5A, Full Load: 5A Max 240VAC, 50 Hz, Typical Load: 0.3A, Full Load: 5A Max 24VDC, Typical Load: 1A, Full Load: 5A Max
Sensor DC Supply:	AC Model: 24VDC, 2.5A Max DC Model: Isolated 24VDC, 1A Max
Operating Ambient:	-10 to +60°C (14 to 140 °F)
Storage temperature:	-10 to +60°C
Relative Humidity:	5 to 90% RH non-condensing
Enclosure Material:	Polycarbonate (standard)
Enclosure Rating:	NEMA Type 4, 4X, 12, 13 IEC 60529, IP66, IP67
Safety standard:	UL 508A Industrial Control Panel
Installation Location:	not suitable for use in hazardous locations or for use with devices that are installed in hazardous locations
Atmospheres:	not suitable for use above 2000m or in explosive or corrosive atmospheres. Electrically conductive pollution must be excluded from the cabinet in which this controller is mounted
Digital Input Rating:	24VDC, 2.4mA Max
Alarm Output Rating: (Dry Contacts)	min: 24VDC, 1.5A Max max: 250VAC, 1.5A Max
Solenoid Relay Output Rating: (Solid State Relays)	120VAC, 1A Max 240VAC, 1A Max 24VDC, 1.5A Max
Analog Inputs:	
Process Variable:	4-20mA. All configurable between limits
Remote Setpoint:	4-20mA. All configurable between limits
Analog output:	
Signal Type:	scaleable 4-20mA signal (non-isolated)
Retransmission Options:	Process variable, Setpoint, or 420DC Actuator Control Signal
Resolution:	12 bits
Clock Accuracy:	+/- 1 minute/month at 25°C
Datalogging:	Yes, adjustable sampling frequency up to 1 sample/sec
Removable Media:	MicroSD card (not included) Capacity limited to 32GB
Communication:	Modbus over Ethernet Modbus over Serial
Dimensions:	
Polycarbonate Enclosure:	11.34"(288mm) Length x 11.34" (288mm) Width x 6.81" (173mm) Height