



# STATION CONTROLLER SC100



**MADE IN THE U.S.A.**

UL FILE # E101681

## OPERATION

The SC100 controller is a low cost, simple to use duplex controller with an analog input for level control. The controller contains four output relays; for pump 1 and pump 2 call, and for high and low alarms. A regulated 24VDC power supply is provided for powering the pressure transducer circuit. The controller contains a red LED bar graph to display the level, and red LED's to display Pumps 1 and 2 call, and the high and low level alarms. There are additional red LED's for the level settings and level simulation, which are turned on by depressing the Setting Select pushbutton. The controller also has a 10 second power-up delay, and a 5 second lag pump delay to prevent the turning on of one or both of the pumps immediately after a power interruption.

Depressing and releasing the Setting Select pushbutton will cause the level simulation and settings LED's to turn on, one at a time, from the left to right. With no setting or simulation LED on, the bar graph displays the level.

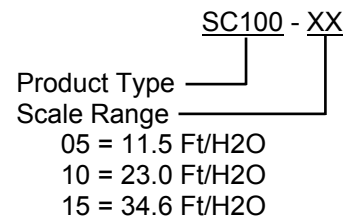
Level settings are made by depressing the Setting Select pushbutton until the LED over the desired setting is on. The setting may then be viewed on the bar graph, and the respective potentiometer can be used to change the setting. In the Level Simulation mode, the controller will energize the low and high alarms and pump calls as the level is simulated by moving up and down the bar graph via the up and down pushbuttons.

The Zero adjustment is used to make the bar graph display read zero feet of water for an input of 4.0mA, and the Span adjustment is used to select the point on the bar graph display that corresponds to an input of 20.0mA.

## **SPECIFICATIONS**

Input Power:	120VAC +/- 10%, 7.8 VA max
Power for Analog Input:	24VDC +/- 1V, Transient Protected
Agency Approval:	UL 508, CAN/CSA
Operating Temperature:	-20 °C to +65 °C
Storage Temperature:	-45 °C to +85 °C
Indicators:	LED
Relay Outputs:	10A Resistive @ 120VAC 3.6A Inductive @ 120VAC
Level Analog Input:	4-20 mA, 250 Ohms Load Transient Protected
Color:	White with Blue Lettering
Enclosure Material:	Aluminum
Dimensions:	6.10" H x 7.70" W x 2.80" D

## **ORDERING INFORMATION**



5psi Transducer used with: SC100-05  
10psi Transducer used with: SC100-10  
15psi Transducer used with: SC100-15

For Pump Up Applications (Fill a Tank)  
add UP to Part No. after Scale Range

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