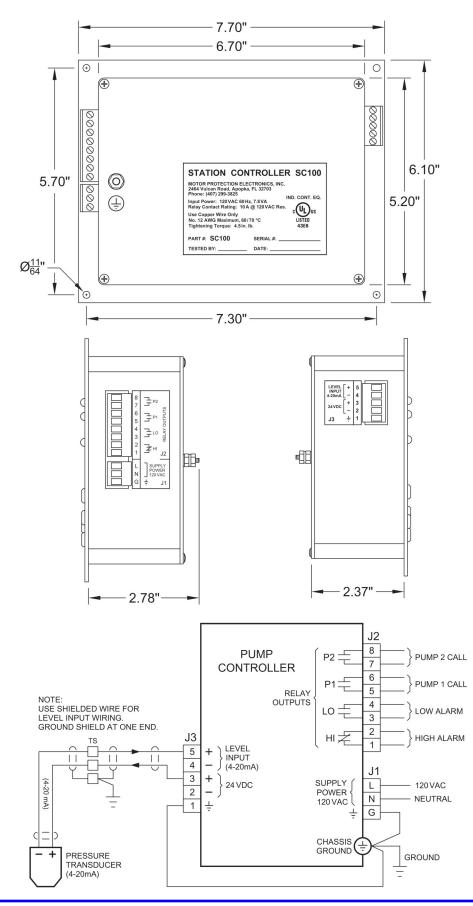


DESCRIPTION

The SC100 controller is a low cost, simple to use simplex or duplex controller for lift station liquid level control. It operates the pumps based on the selected setup parameter values and the 4-20mA wet well level input signal. The controller has relays for two pump call outputs, and for high and low level alarms outputs. A regulated 24 VDC power supply is provided for powering the pressure transducer circuit. A four digit seven segment red LED display is provided for parameter setup and level display. Red LED's are provided for pump 1 and 2 call and for high and low level alarm indication. Alternation of the pumps is provided, and a fixed 1-2 or 2-1 sequence may also be selected through the menu. The controller can be setup to perform either pump up control (fill a tank) or pump down control (empty a tank). It also has a fixed 10 second power-up delay, and an adjustable lag pump delay to prevent the turning on of one or both of the pumps immediately after a power interruption. Zero and Span parameters are provided for field calibration of the level input for a wide variety of submersible pressure transducers. The level display is made even more flexible by the addition of a parameter to set the decimal point position, and by a parameter to adjust how fast the level display responds to changes in the level input signal, from very slow to fast. A level simulation feature is provided to test the lift station controls and pump operation.

SPECIFICATIONS		
Input Power: Power for Analog Input: Agency Approval: Operating Temperature: Storage Temperature: Display Type: Display Range: Indicators: Relay Outputs: Level Analog Input: Color: Enclosure Material: Dimensions:	120 VAC ±10%, 7.8 VA max 24 VDC ±1V, Transient Protected UL 508, CAN/CSA -20 °C to +65 °C -45 °C to +85 °C 4 Digit, 7 Segment, Red LED 0 - 2310 Feet (Selectable Decimal Point Position) Red LED 10A Resistive @ 120 VAC 3.6 A Inductive @ 120 VAC 4-20 mA, 147 Ω Load, Transient Protected White with Blue Lettering Aluminum 6.10" H x 7.70" W x 2.78" D	ORDERING INFORMATION Part Number: SC100

STATION CONTROLLER SC100



Order from: C A Briggs Company; 622 Mary Street; Suite 101 - Warminster, PA 18974 Phone: 267-673-8117 - Fax: 267-673-8118; E-Mail: <u>Sales@cabriggs.com</u> - <u>www.cabriggs.com</u>