

# SENTRY SBC CONTROLLER

## Sampler Controllers

### AUTOMATIC SAMPLING

The Sentry® SBC controller is a dedicated logic control system capable of controlling any automatic sampler in the Sentry product line (liquid, slurry and bulk solids samplers). With just a few simple connections, the sampler can be in operation. The Quick Start screen guides you through the steps for setup.

The Sentry SBC controller features both Local and Remote operating modes.

#### MODEL

SBC

#### BENEFITS

Local mode allows the operator to obtain a single grab sample or to continuously sample. No other inputs are required.

The Sentry SBC controller offers a dry contact interface for remote starting and stopping of the sampler along with relay outputs for sampler running and alarm status. The Sentry SBC controller supports ModBus, communications protocols as a standard. Other communication protocols are available as a custom solution.

The menu-driven interface allows quick and efficient access to all system parameters and information. The LCD screen provides constant information on the system status.

Standard features support batch, proportional flow, counter-based and time-based sampling, and control of the Sentry indexing cabinet (IC).

#### FEATURES

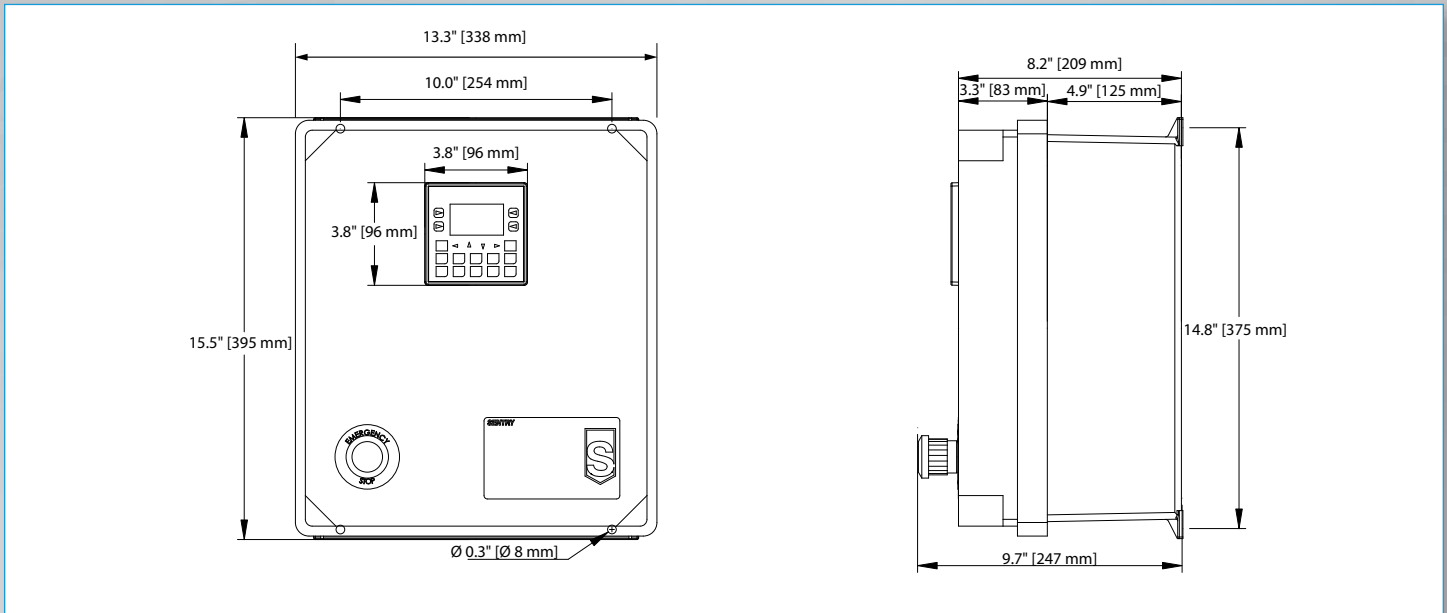
- Operator-friendly user interface
- Stand alone controller
- Remote operation controlled by a single contact
- Supports Modbus protocol
- Automatic continuous composite control
- Batch control
- Flow proportional control
- Control of Sentry IC Indexing Cabinet, purchased separately

#### OPTIONS


- Stainless steel enclosure
- Gland plate
- Proximity sensor integration
- Ethernet interface
- Custom programming available
- Temperatures to -40°F (-40°C)



Sample. Monitor. Measure.  
**SENTRY**  
Any Application. Anywhere.



### SPECIFICATIONS

<b>power</b>	100–240 VAC, 50/60 Hz, 1 phase, 1–7 A
<b>inputs</b>	digital: dry contacts, 24 VDC: remote enable, remote start; high-speed flow counter input, 200 µsec minimum pulse width inputs available for optional proximity sensors, 24 VDC analog: 4–20 mA, 10-bit resolution
<b>outputs</b>	mechanical relay, maximum 3 A at 250 VAC resistive
<b>communications (option)</b>	Modbus (Other protocols available with custom configuration)
<b>keypad</b>	20 tactile feedback membrane switches
<b>display</b>	128 x 64 pixel LCD display; graphics and text
<b>enclosure</b>	fiberglass; NEMA 4X, IP 65
<b>mounting</b>	surface
<b>ambient temperature</b>	32°F to 122°F (0°C to 50°C)
<b>shipping weight (approx)</b>	17 lb (7.7 kg)
<b>agency approvals available</b>	CE 

### SOFTWARE FEATURES

<b>batch</b>	user-defined number of samples taken
<b>flow proportional</b>	linear interpolation of sampling time based on 4–20 mA input
<b>flow counter</b>	sampling based on number of flow counter pulses
<b>remote operation</b>	sampling triggered by external input
<b>delay start</b>	event-based sampling with user-defined delay
<b>indexing cabinet</b>	integrated sampling and indexing cabinet control

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