



CONTROL

ADVANCED ELECTRONIC CONTROL TECHNOLOGIES

VALVE / CONTROLLER



 **MAROTTA®**

We're in Control

Electronic Valve Controller

Marotta's Electronic Valve Controllers feature flexible input power options, LonWorks field bus connectivity and high availability. They can be optionally equipped with a super capacitor power back-up system that allows continuous operation even if power is interrupted. The controllers also have the programming flexibility to function autonomously if the network connection is cut.

Small, light and affordable, the controllers continuously monitor the health of the system, ensuring that the status of the voltage, current, position and other sensor inputs are operating as required.. Configuration features can be customized from those listed.



*SVC110 Controller
shown with AC & back-up power*

	SVC 110	SVC 120	SVC 130
Fieldbus	LonWorks	LonWorks	Profibus or
Power Source	115/440 VAC	24/28 DC	24/28 VAC or 115/440 VAC
Sensor Capability	1 Strain Gauge 2 Analog 1 Thermal Wire	1 Strain Gauge 2 Analog 1 Thermal Wire	1 Strain Gauge 2 Analog 1 Thermal Wire
Position Feedback	Limit Switch	Limit Switch	Limit Switch
Motor/Interface	1/4 Turn Actuator or Solenoid	1/4 Turn Actuator or Solenoid	1/4 Turn Actuator or Solenoid
Back-Up Power	Optional	Optional	Optional

Key Features

- Input power
 - DC input voltage: 24/28 vdc
 - Built-in 115 VAC/440 VAC & back-up power
- Echelon LonWorks F/T-10 processor/transceiver module provides smarts and network interface
- Simple API for actuator operation, sensor reading, high accuracy flow calculation, health monitoring
- 10 bit ADC, 8 analog inputs total
- Power supply monitoring
- Actuator interface—motorized 1/4 turn actuator or latching solenoid
 - Front panel local user interface
 - Remote HMI available
- Splashproof
- Sensor interfaces
 - 1 strain gage instrumentation interface for pressure sensors
 - 2 voltage instrumentation interfaces for pressure sensors or sensing devices
 - 2 dry contact interfaces for limit switches
 - Linear heat detector which monitors impedance change of up to 2 thermal sensor wire group

Data Storage:

- Number of cycles
- Number of autonomous events
- Status log
- Part number and serial number
- Software version number

Operating Power:

- 1.7 amps when actuation is running
- 0.2 amps when actuation is not running

Back-Up Power Capacitor:

- The electronic controller has a built-in back-up power capacitor to allow continuous autonomous operation even if power is lost.



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WHEN IT COMES TO
ELECTRONIC CONTROL SYSTEMS
WE'RE IN CONTROL