

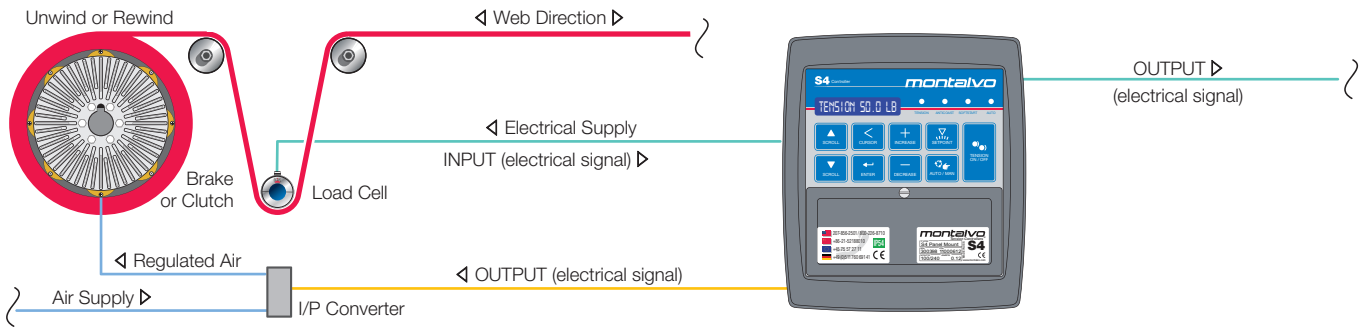
S4
Controller**Montalvo S4 Controller**

Montalvo's S4 Controller provides precise, accurate, and consistent tension control in a compact, modular unit. It's the easiest tension controller available to install, calibrate and operate.

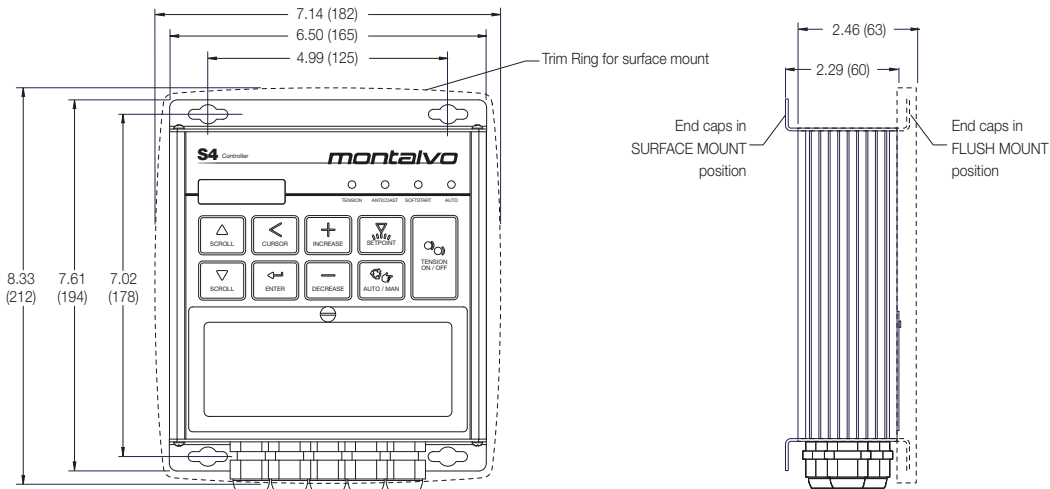
Features & Benefits

- ▶ **Unwind or Rewind Zone Functionality**
 - Soft Start: eliminates shocks to the web on startup
 - Anti-coast: prevents web tension from dropping on stop
 - Taper: builds excellent rolls while eliminating telescoping
 - Splice: maintains tension for more successful splices
 - Inertia Compensation: minimizes tension variations on rewind during start or stop
 - Web Break Detection: stops machine should a break occur
 - Remote Setpoint: remotely input or adjust tension setpoint
 - Remotely Control Tension On/Off
- ▶ **Input Compatibility** - strain gauge or foil gauge load cells
- ▶ **Output Compatibility** - pneumatic or electric brakes
- ▶ **Set It & Forget It** - set-up parameters eliminate constant monitoring
- ▶ **Store Tension Parameters** - save up to 15 settings for immediate recall
- ▶ **Multiple Mounting Options** - install as either panel or surface mount
- ▶ **Remote Meter Output** - to analog or digital indicator
- ▶ **Progressive Gain Technology** - uniform control regardless of roll diameter

How they work



Dimensions



Specifications

Power Supply	
Standard	100 or 240 VAC ±10% 50 to 60 Hz
Optional	24VDC
Max. Power Consumption	5W
Output (control signal-factory set)	4-20 mA, 0-10 V
Indicators Supported	Analog or Digital
Load Cell Supply (semiconductor strain gauge)	+ 5 VDC / ±2.5 VDC
Load Cell Supply (foil gauge)	+ 10 VDC / ±5 VDC
Brakes and Clutches Supported	Pneumatic and Electric
Drive Support	AC or DC drive torque input (motor controller)
Operating Temperature Range	14 to 122°F (-10 to 50°C)
CE Declaration	CE Compliant
Classification	IP54
Enclosure (W x D x H)	
Surface mount	6.50 x 2.29 x 7.61 in (165 x 60 x 194 mm)
Flush mount (w/trim ring)	7.14 x 2.46 x 8.33 in (182 x 63 x 212 mm)
Weight	1.2 lb (0.55 kg)

Tension Set / Display	.....	Total or PLI
Saved Material Settings	.....	15
Unwind	Soft Start	.....Yes
	Anti-Coast	.....Yes
	Jog (requires only 1 external dry contact)	.....Yes
	Manual	.....Yes
	Splice	.....Yes
Rewind	Taper (requires no external sensors)	.....Yes
	Inertia Start	.....Yes
	Inertia Stop	.....Yes
	Splice	.....Yes
	Remote Tension on/off	.....Yes

Related Products

Electro / Pneumatic Converter	Montalvo MPC-4
Voltage Converter	Montalvo MVC-2

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Technical details subject to change without notice. S4-US-05 © Montalvo