



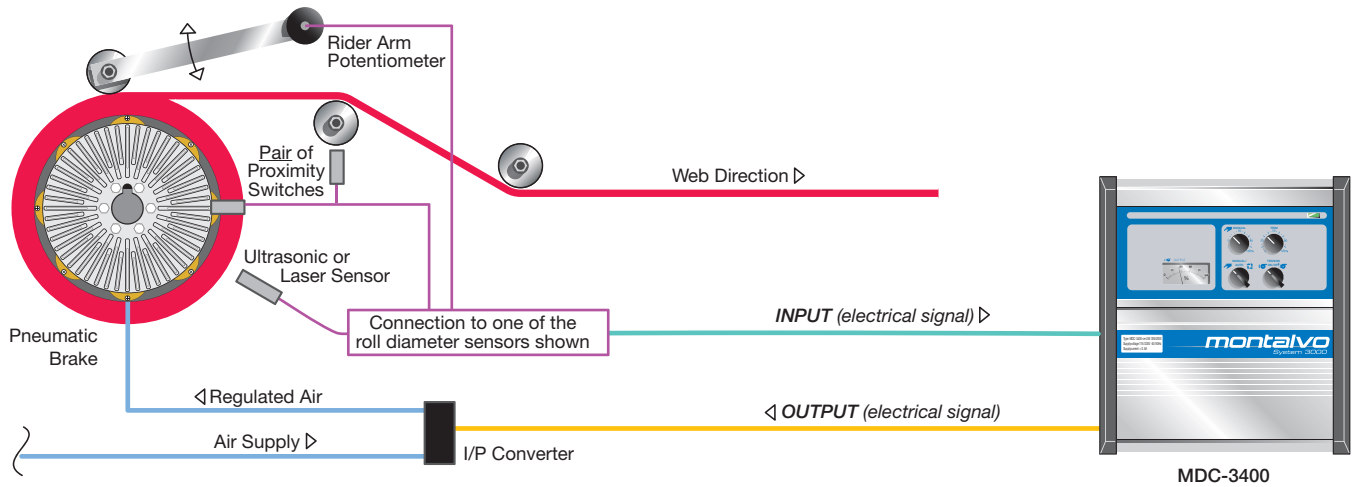
Montalvo MDC-3400 Open Loop Controller

The MDC-3400 accurately maintains a torque proportional to roll diameter. Utilizing this method insures virtually constant tension on the material that is being wound or unwound. The controller accepts a variety of external components to measure roll diameter through direct indication and/or calculation.

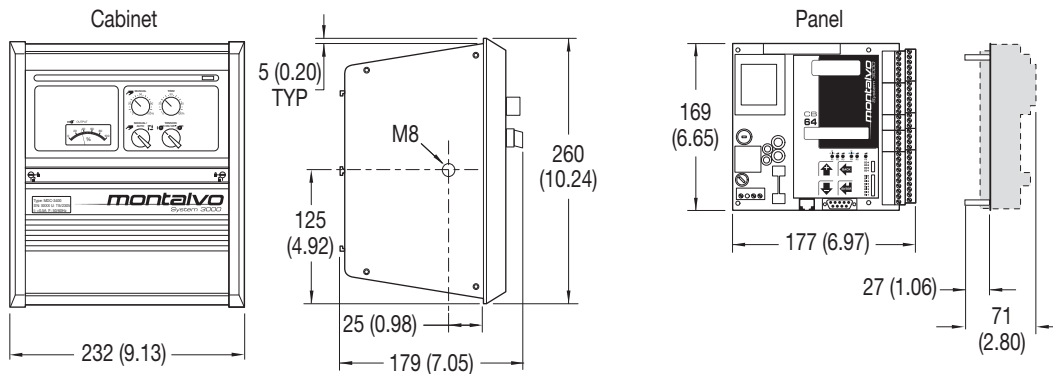
Features

- ▶ Roll diameter measurement using external components
 - Ultrasonic
 - Laser
 - Proximity switches
 - Rider arm potentiometer
- ▶ Soft start
- ▶ Inertia compensation
- ▶ Roll diameter alarms

Typical Application



Dimensions



Specifications

Electrical

AC Input	115 or 230 VAC \pm 10% (IEC-60204-1) 48 to 62 Hz
Fuse Size (115 V)	160 mA T (slow-blowing type)
Fuse Size (230 V)	80 mA T (slow-blowing type)
Overvoltage Category	II (IEC 664)
Test Voltage.....	3.75 kV for 1 minute primary to secondary
Max Power Consumption	12 VA
Max External Input Fuse	10 A
Noise Immunity	EN 50082-2 industrial
Noise Emission	EN 50081-1
Regulator Outputs	0 to 10 VDC, Max. load 5 mA
.....	4 to 20 mA / 0 to 20 mA, RL = 0 to 1000 Ω
Meter Outputs	0 to 100 μ A
.....	0 to 10 VDC, Max. load 5 mA
Standards	Designed to meet UL 508 and EN 60204

Environmental

Temperature Range Operating	0 to 50°C (32 to 122°F)
Storage	-10 to 80°C (14 to 176°F)
Degree of Protection Cabinet Model	IP54
Panel Model	IP10

Physical

Weight (approx.) Cabinet Model	~ 3.5 kg (7.7 lb)
Panel Model	~ 1.0 kg (2.2 lb)
Size (WxDxH) Cabinet Model	232 x 179 x 260 (9.13 x 7.05 x 10.24)
Panel Model	177 x 71 x 169 (6.97 x 2.80 x 6.65)
Cut-Out (WxH) Cabinet Model	226 x 253 (8.90 x 9.96)
Cut-Out Tolerance	+1/-0 (+04/-0)
Dimensions	mm (inches)

Standard Functions (cabinet)*

Manual Setpoint	Yes
Manual / Auto	Yes
Tension On / Off	Yes
Trim Setpoint	Yes

Other Functions (optional)

Splice	Yes
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* All functions available in panel model

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