



- Range expander*
- Web break detection*
- Inertia compensation*
- Fieldbus communication*
- Transferable memory card*
- Digital parameter handling*
- Sample, hold and ratio splice function*

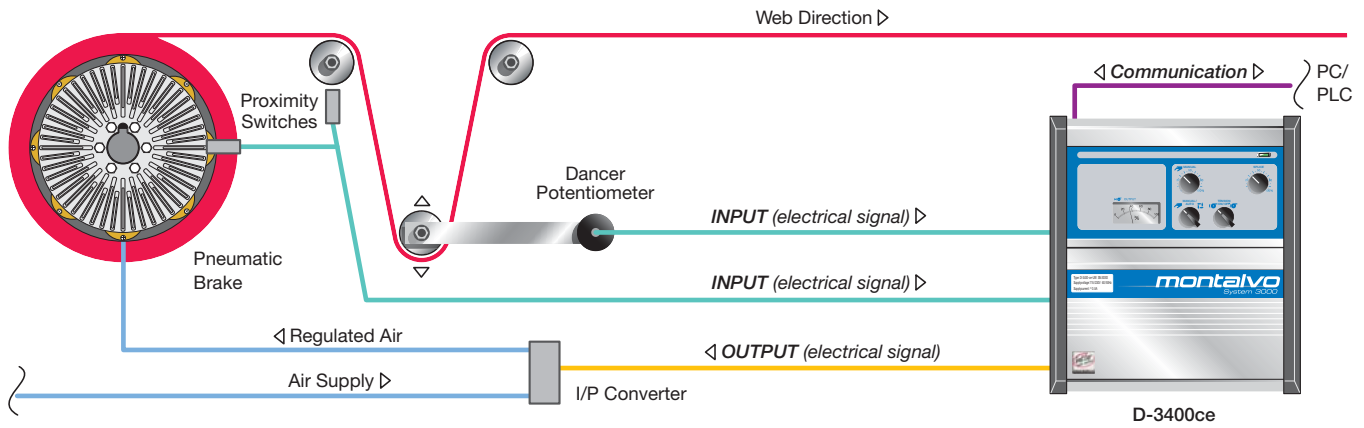


System 3000™

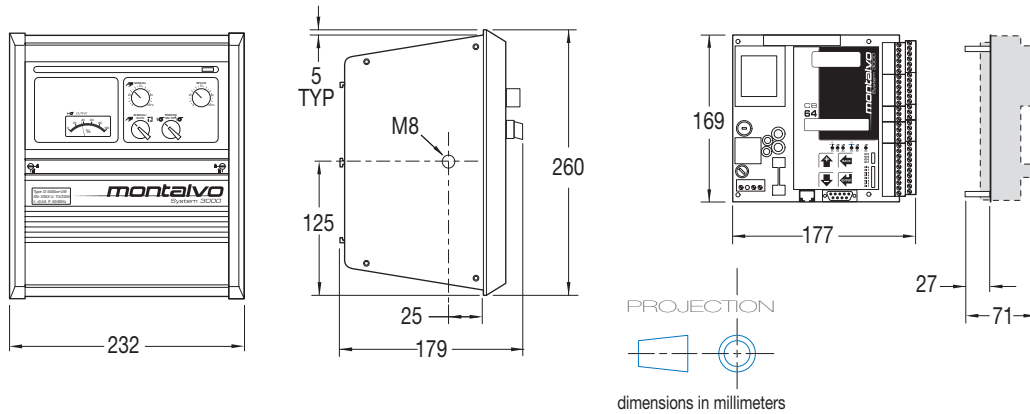
D-3400ce Dancer Controller

Montalvo's D-3400ce dancer controller was developed to provide accurate, repeatable tension control. It may be used for unwind applications on web processing machinery employing dancer arm control systems. It includes "Progressive PID" circuitry which regulates tension based on dancer position and adjusts system gain based on roll diameter to provide a very responsive, yet stable system. Other features include: digital diagnostics, a web break output and, when combined with Montalvo's P-3000RE, a cycling range expander with 2, 3 or 4 valves. The D-3400ce dancer controller is available mounted in Montalvo's System 3000 cabinet or in a circuit board version.

Typical Application



Specifications



Electrical

AC Input	115 or 230 VAC ± 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)
Oversvoltage Category	II (IEC 664)
Test Voltage.....	3.75 kV in 1 min. 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
Zero Range (tare)	50% of potentiometer rating
Calibration Range	11 to 480
Regulator Outputs	0 to 10 VDC, Maximum load 5 mA
.....	4 to 20 mA / 0 to 20 mA, RL = 0 to 1000 Ω
Meter Outputs	0 to 100 μA
.....	0 to 10 VDC, Maximum load 5 mA
Dancer Roll Potentiometer Supply	± 2.5 VDC
Potentiometer Resistance	10 kΩ
Dancer Potentiometer Input	0 - ± 2.5VDC max.
Standards	Designed to meet UL 508 and EN 60204

Other

Temperature Range Operating	0 to 50°C
Storage	-10 to 80°C
Degree of Protection Cabinet Model	IP54
Panel Model	IP10
Weight (approx.) Cabinet Model	~ 3.5 kg
Panel Model	~ 1.0 kg
Size (W x D x H) Cabinet Model	232mm x 179mm x 260mm
Panel Model	177mm x 71mm x 169mm
Cut-Out (WxH) Cabinet Model	226mm x 253mm +1/-0mm

Standard Functions (cabinet)*

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

Other Functions (optional)

Splice	Yes
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Communication (optional)

RS-232** (includes software & cable)	Yes
Devicenet	Yes
Profibus	Yes
CANopen	Yes
RWD™ (remote wireless diagnostics)***	Yes

* All functions available in panel model
 ** Controller setup through RS-232
 *** Requires customer supplied modem and connection