

CTC-3000 TENSION CONTROL



Comptrol's CTC-3000 Tension Control closes the loop between accurate tension measurement and precise tension control.

Just set it and run. The CTC-3000 continuously monitors strip tension and automatically adjusts the signal to the brake, clutch, or drive to maintain the desired tension. As part of the process control system, the CTC-3000 provides the precise tension control needed to maintain consistent product quality and system performance.

Easy to setup and operate. The six function digital display allows the operator to monitor left, right, or average tension; the auto tension setpoint; manual mode setting; and the output signal. On-the-fly adjustment for the auto and manual mode settings optimize system performance.

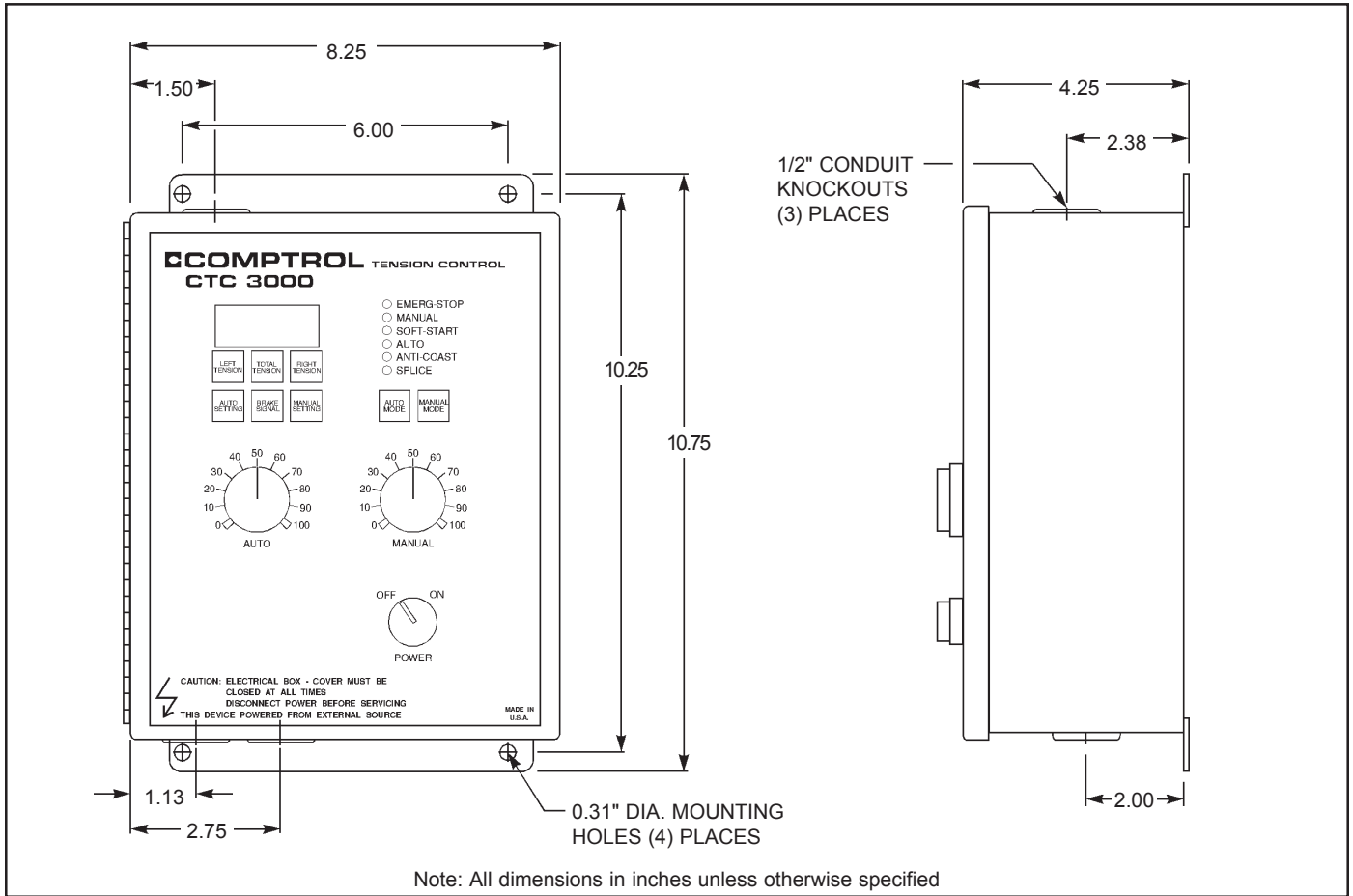
Soft-Start, Anti-Coast, and Splice functions help prevent stretching, slacking, or web breakage during startup, stopping, and splicing operations. Web break detection is also a standard feature.

Accurate tension measurement means precise tension control. The CTC-3000 averages the feedback signal from two Comptrol tension transducers and compares it to the desired tension setpoint. Individual calibration adjustments for each transducer provide a reliable, accurate tension measurement and monitoring of the left, right and average tension across the roll.

Configure the CTC-3000 to match your application and system requirements.

- Switch selectable 115 or 230 volt AC power
- Isolated 0-10 volt or 4-20 milliamp DC output
- Independent calibration adjustments for each Comptrol tension transducer
- Adjustable pre-sets for Soft-Start, Anti-Coast, Splice, and Web Break settings
- Outputs for remote tension displays
- Adjustable PID parameters
- Plug-in terminal blocks for connecting power supply, output signal, and tension transducer feedback
- User defined display scales with programmable decimal point for tension and output

CTC-3000 SPECIFICATIONS



STANDARD FEATURES:

- Corrosion resistant stainless steel NEMA 12 rated enclosure
- LED status signals: E-Stop, Auto, Manual, Splice, Anti-Coast, Soft Start
- Provides power for two Comptrol tension transducers
- Tension transducers calibrated individually allowing left/right tension readout
- Manual and automatic modes
- Tension control based on average tension across the roll
- Six function digital readout: left/right/average tension and setpoint, brake signal, and manual setting
- Display readout in customer tension units or brake units
- Web break detection
- PID algorithm with microcontroller timing

SPECIFICATIONS

Power In	120/240 VAC, 1 ϕ , 50-60 Hz, <1.0 Amp.
Output	Isolated 0-10 VDC
(Jumper Select)	Isolated 4-20 mADC
Transducer Supply	24 VDC
Ambient Temperature	0-40° C
Approximate Weight	12 lbs.
Enclosure dimensions	10.25" x 8.25" x 4.25"

Specifications and dimensions subject to change without notice. Protective covers and guards may have been removed to provide clearer view. All protective guards and devices must be installed and secured before operation.



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Specify Comptrol tension transducers, indicators, and controls for the best in tension measurement and control.