

coiltek[®]

CS-5000

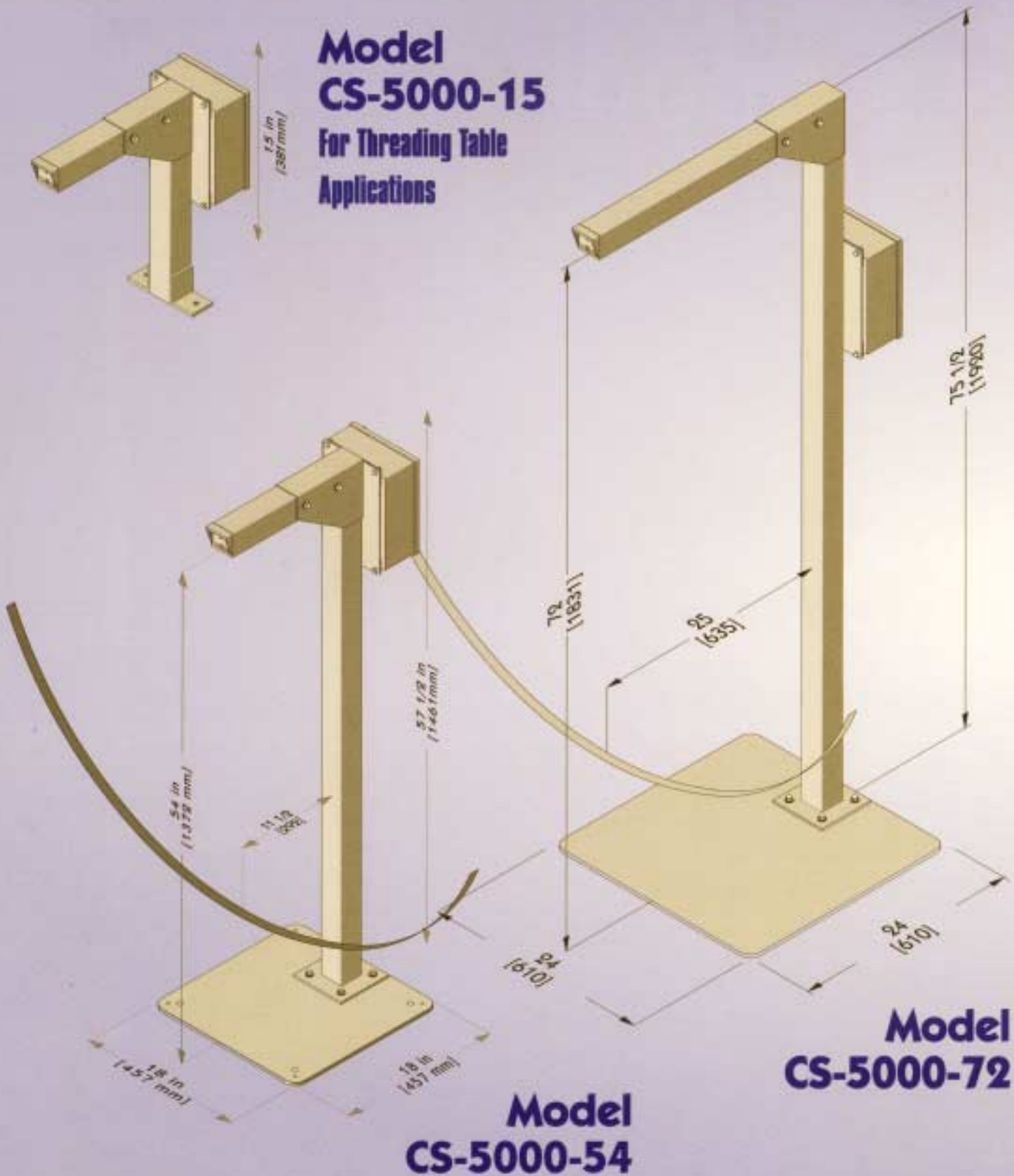
The Standard in Ultrasonic Loop Controls

- *For Payout and Takeup*
- *Microprocessor-driven System*
- *Fast Set-up and Calibration*
- *Affordably Priced*
- *Multiple Program Storage*
- *Control Output: 0-10vdc & 4-20mA*
- *Available In-stock for Overnight Delivery*



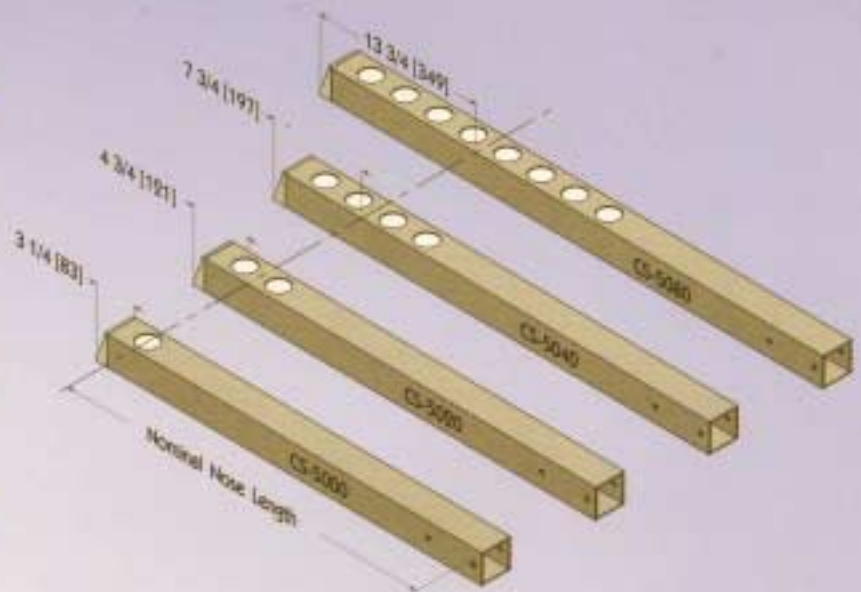
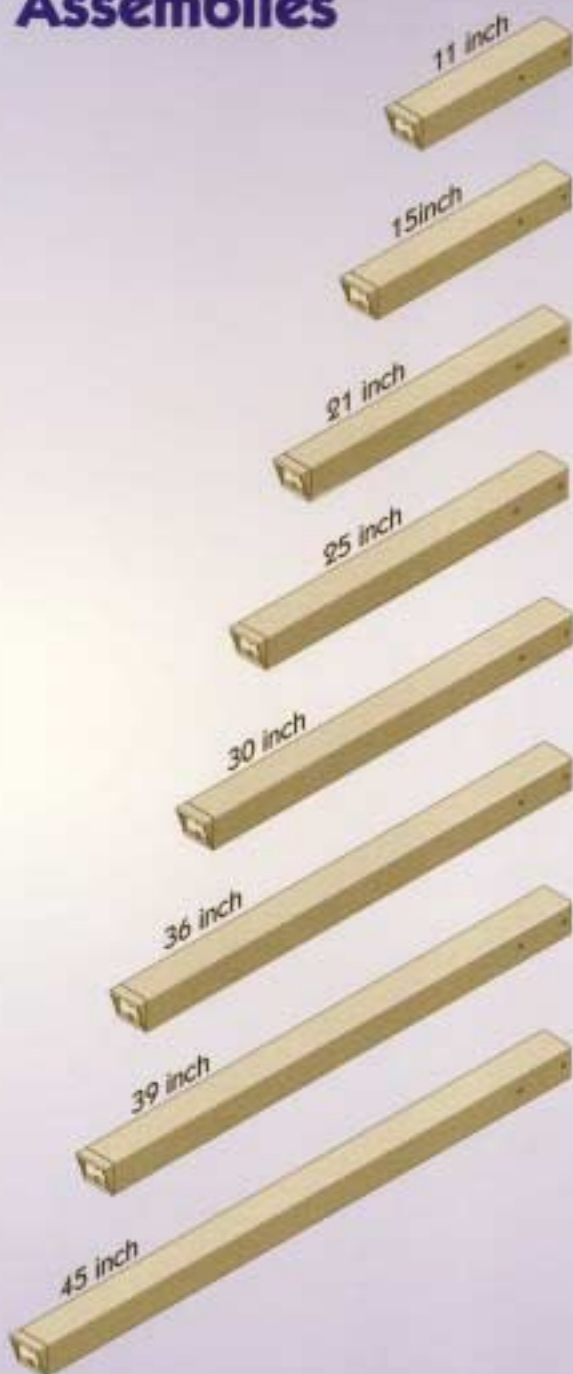
coiltek CS-5000

Model CS-5000-15 For Threading Table Applications



Series Ultrasonic Loop Controls

Alternate Nose Assemblies



Alternate Transducer Arrays

Ordering Information

Model CS-50X0-YY-ZZ

where X = 0 for single element,
2 for dual element,
4 for quad element (1), or
8 for eight element (2).

YY = Height in inches: 15, 54, or 72.

ZZ = Nominal Nose Length in inches.

Notes: (1) Available only in 15-, 21-, 30- and 36-inch Nose Lengths.
(2) Available only in 30-inch Nose Length.

coiltek CS-5000 Series Ultrasonic Loop Controls

SPECIFICATIONS

Targets:	Ferrous or nonferrous metal, mesh, plastic, rubber, paper or fabric. Minimum target size: 0.100 inch (2.5 mm) wire up to 50 inches (1.3 M) away; 1.0 inch (25 mm) strip out to 253 inches (6.4 M).	
Setup:	Set basic loop control parameters with DIP switches. PC software interface allows more refined setup. (Download free software from the Internet, or purchase it from your dealer.) Program and store up to 8 separate control programs in EEPROM memory. Four of the stored programs can be selected from a remote switch or PLC.	
Range:	6 inches (152 mm) to 360 inches (9.1 M) from the sensing head. (To operate over a looping pit, simply reverse the base plate.)	
Control Span:	(Output signal varies from minimum to maximum over this distance.) Normally 5 to 40 inches (127 to 1016 mm) set in 5-inch increments. Set Control Span anywhere within the 6 to 253 inch range. Using PC software programming, span is 1 inch (25 mm) minimum to 354 inch (9 M) maximum set in 1-inch increments.	
Resolution:	Analog: 10 bit (0.171 mm) @ 68°F.	Digital: 16 bit
Control Output:	0-12 vdc or 4-20 mA (scalable). Output is linear, proportional to target position within the control span. Switch inverts signal slope for takeup or payout operation. Outputs are fully isolated and short-circuit proof.	
Trim Control:	Input a master line speed signal (0-5 vdc). The CS-5000 will either trim (add/subtract) or scale (multiply/divide) the input signal proportional to loop position. Ideal for stabilizing high-speed processes, and for large roll diameter compensation.	
Relay Outputs:	Three relay outputs: NEAR, FAR, and CONTROL. Normally, NEAR and FAR relays trip at the control-span limits and the CONTROL relay is inactive. With PC setup, the user can set NEAR margin trip point anywhere above the control range. The CONTROL relay is set exclusively by remote computer and can turn ON at one preset distance and OFF at another.	
Multi-strip Use:	Up to four units will work side by side with no "crosstalk" interference. Simple setup for multiplex operation.	
Computer Interface:	Coiltek software, downloaded from our web page or available through your dealer, allows interactive programming of all control functions with simple-to-use, menu-driven software. Accepts standard serial port (RS-232) interface with any IBM compatible PC (VGA or better graphics). Separate data output channel adapts the CS-5000 to process monitoring or central process control.	
Power:	120 or 240 VAC, 1 Φ , 20 watts.	
Housing:	Hinged cover NEMA 12 enclosure. Knockout provided for cabling.	
Environment:	Temperature 32° to 184° F. (0° to 70° C.) Humidity 5% to 95% (non condensing).	
Net Weight:	CS-5000-54 66 lb (29.9 kg)	CS-5000-72 116 lb (52.6 kg)
Ship Weight:	76 lb (34.5 kg)	127 lb (57.6 kg)

All units shipped UPS. Next day air service available. **Made with Pride in the USA.**

coiltek

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Accepting Most Major
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