



## Model CTB Split-core (opening) Bus-Bar Style Current Transducers



### SPECIFICATIONS

**Input Current:** AC current, sinewave, single phase 50/60Hz, load power factor 0.5 to 1.0 lead or lag

**Voltage Rating:** 600Vac. Tested per ANSI C57.13 BIL 10KV AC Full Wave for 60 seconds (BIL= basic impulse insulation level)

**Bandwidth:** 10Hz to 1000Hz +/-3db

**Output Voltage:** Standard for CTB models is: 333mVAC

**Output Limiting:** Set by internal resistor

**Ratio and Linearity Accuracy:** +/-1% from 5% to 200% of scale, 2 to 2.5% from 1% to 5% of scale

**Phase Displacement:** Standard is +/- 90' standard - - can be adjusted 60' or less

**Phase Arrow:** Arrow points direction of source input current that produces positive output voltage.

**Output Resistance:** < 100 Ohms

**Interface Resistance:** Must be > 10K ohms

**Temperature Response:** Less than 0.05% from -20C to +85C.

**Construction:** Plastic and/or potted housing. Designed and tested to UL506 and ANSI C57.13

**Lead Wires:** Black and White 20 or 22AWG UL1015, 600V insulation, 105C

### DIMENSIONS

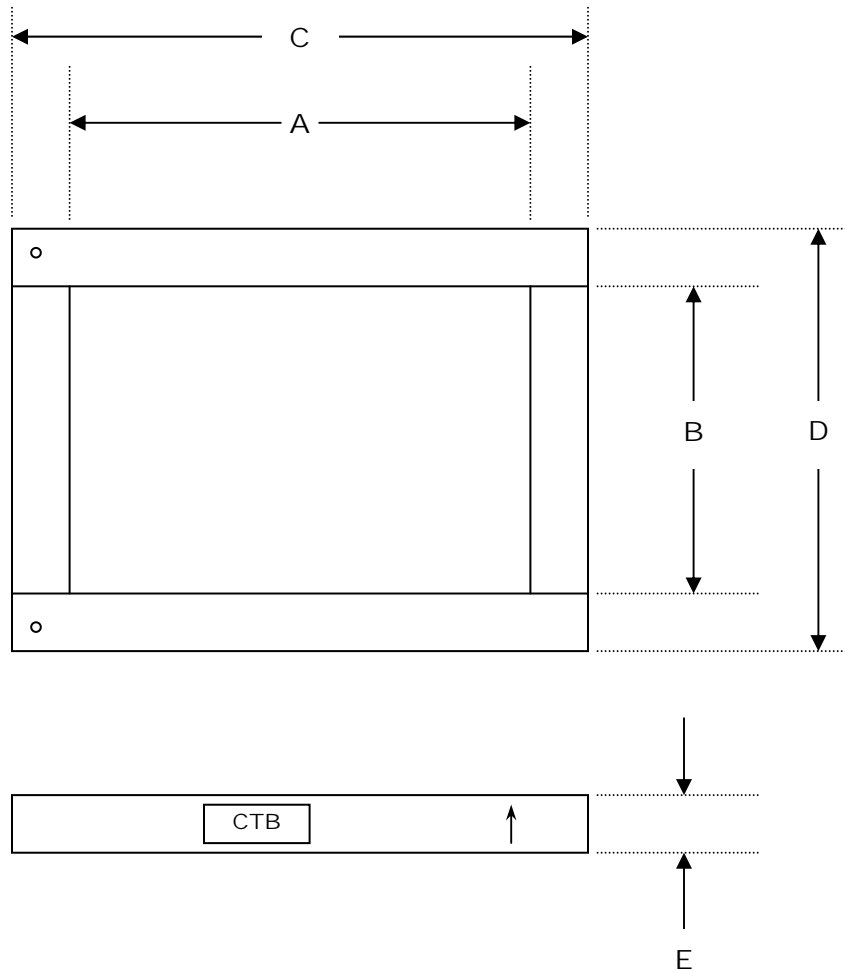
Outside dimensions depend on the full-scale input current, turns ratio, burden resistor and output voltage. Generally, the outside dimensions are 1.0" larger than the window size. The large window with high input current units can be 1.5" larger than the window. The thickness will vary from 1 to 1.25".

Available in standard and custom opening sizes and current ranges.

To Order, please call (888) 928-8663 or (303) 444-7422 • Fax: (303) 444-2903  
Internet: <http://www.ccontrols.com> • e-mail: [sales@ccontrols.com](mailto:sales@ccontrols.com)

## Standard Models

Model	Rated Current (A)	Dimensions				
		A	B	C	D	E
CTB-1.5x3.5-0600	600	3.5 inches 90 mm	1.5 inches 38 mm	5.6 inches 142 mm	3.1 inches 79 mm	1.0 inches 25 mm
CTB-4.0x4.0-0800	800	4.0 inches 102 mm	4.0 inches 102 mm	6.3 inches 160 mm	6.3 inches 160 mm	1.0 inches 25 mm
CTB-4.0x4.0-1200	1200	4.0 inches 102 mm	4.0 inches 102 mm	6.3 inches 160 mm	6.3 inches 160 mm	1.0 inches 25 mm
CTB-4.0x4.0-2000	2000	4.0 inches 102 mm	4.0 inches 102 mm	6.3 inches 160 mm	6.3 inches 160 mm	1.0 inches 25 mm
CTB-4.5x4.0-3000	3000	4.5 inches 114 mm	4.0 inches 102 mm	7.2 inches 183 mm	6.3 inches 160 mm	1.0 inches 25 mm



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