

# CURRENT TRANSFORMER

Model CTWH5-S-110

Wound primary CT

REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI/IEEE C57.13.  
Classified by UL in accordance with IEC 44-1

**APPLICATION:**  
For switchgear, extra high short circuit strength.

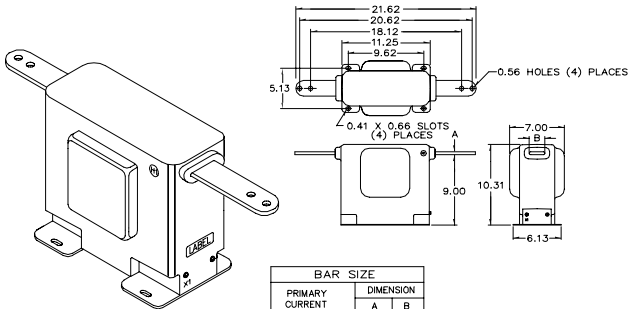
**FREQUENCY:**  
50-400 Hz.

**MAXIMUM SYSTEM VOLTAGE:**  
15.5kV, BIL 110kV full wave.

**CONTINUOUS THERMAL CURRENT RATING FACTOR:**  
5:5 thru 600:5 -  
1.50 at 30°C. amb., 1.33 at 55°C. amb.

800:5 and over -  
1.00 at 30°C. amb., 0.80 at 55°C. amb.

- Primary terminals are plated copper bars. See chart below for sizes.
- Secondary terminals are brass screws No. 10-32 with one flatwasher and lockwasher.
- Vacuum cast in polyurethane resin.
- Other ratios, secondary currents and dual ratios are available. Refer to factory.
- The transformers are tested for partial discharge to Canadian Standards CAN3-C13-M83. This test can also be carried out to IEC requirements if requested.
- Approximate weight 75 lbs.



CATALOG NUMBER ***	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60 Hz					*THERMAL CURRENT RATING 1 SECOND RMS AMPS	**THERMAL CURRENT RATING 1 SECOND RMS AMPS
			B0.1	B0.2	B0.5	B0.9	B1.8		
CTWH5-S-110-400	40:5	T20	1.2	-	-	-	-	49000	10200
CTWH5-S-110-500	50:5	T30	0.6	2.4	-	-	-	49000	12500
CTWH5-S-110-750	75:5	T45	0.6	1.2	2.4	-	-	49000	11800
CTWH5-S-110-101	100:5	T60	0.6	0.6	1.2	2.4	-	49000	15900
CTWH5-S-110-151	150:5	T100	0.3	0.3	0.6	1.2	2.4	49000	23900
CTWH5-S-110-201	200:5	T120	0.3	0.3	0.3	0.6	1.2	49000	30000
CTWH5-S-110-301	300:5	T100	0.3	0.3	0.6	1.2	2.4	66200	47800
CTWH5-S-110-401	400:5	T80	0.3	0.3	0.3	0.3	0.6	66200	51200
CTWH5-S-110-601	600:5	T100	0.3	0.3	0.3	0.3	0.3	66200	60000
CTWH5-S-110-801	800:5	T120	0.3	0.3	0.3	0.3	0.3	66200	60000
CTWH5-S-110-102	1000:5	T150	0.3	0.3	0.3	0.3	0.3	66200	66200
CTWH5-S-110-122	1200:5	T200	0.3	0.3	0.3	0.3	0.3	66200	66200

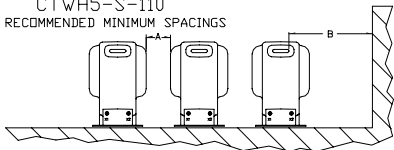
- \* With a burden B0.2 or greater connected to the secondary.
- \*\* With secondary short circuited.
- \*\*\* A test card is provided with each unit.

# CTWH5-S-110

## RECOMMENDED MINIMUM SPACINGS

A; Unit to Unit  
= 1.50" minimum.

B; HV to Ground in Air  
= 6.50" minimum.



Recommended spacings are for guidance only. User needs to set appropriate values to assure performance for high potential test, impulse test, high humidity, partial discharge, high altitude, and other considerations like configuration.

