

CURRENT TRANSDUCERS

RMS CURRENT TRANSDUCER / SPLIT-CORE C.T. MODEL CTRS

FEATURES

- Accurate measurement of the true RMS value of input signal.
- Split-Core 5A thru 1000A sensors without loss of accuracy.
- Open circuit protection.
- Flexible rogowski coils (air core CTs) are used for current measurement ranges of 1KA and larger.

SPECIFICATIONS

INPUT

Current See Table
 Frequency Range 50-60Hz.
 Current Overload 2X F.S. (cont.)
 5X (10 Sec. transient)
 10X (1 Sec. transient)

Dielectric Test....(Input/Output/Case) 1500Vac

OUTPUT

Output Ripple Less than 1.0% F.S.
 Response....(90%) 100 milliseconds
 Output Loading (Ohms)

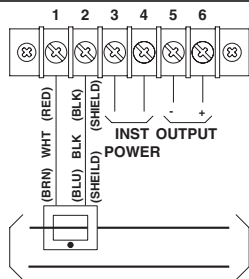
0-1mA 0-10K
 0-10Vdc, 0-5Vdc 2K min.
 4-20mA 0-500

Field Adjustable Cal. + 10%

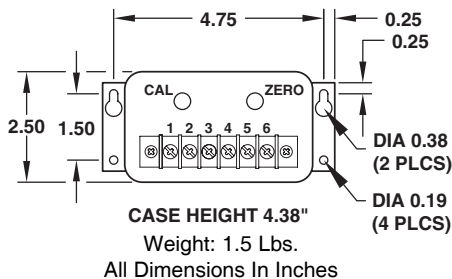
ACCURACY & LINEARITY

Model 5A & 10A + 0.5% F.S.
 15A-1000A + 0.25% F.S.
 1KA-40KA(Rogowski Coil)
 Setpoint (w/conductor centered in window) + 1.0% F.S. @ 60Hz
 Linearity + 0.25% F.S. @ 60 Hz
 Position Sensitivity + 2.0% F.S.
 Temperature Effect....(-20°C to 60°C) + 1.0% Rdg.
 Instrument Power (Std.) ... 115Vac, + 15%, 50/60Hz., 3.5VA
 Optional 230V Instr. Power Add Suffix "-22"
 Rogowski Coil Sizes 7" Dia. Standard
 11" Dia. Add Suffix -1
 15" Dia. Add Suffix -2

CONNECTION DIAGRAM



CASE DIMENSIONS



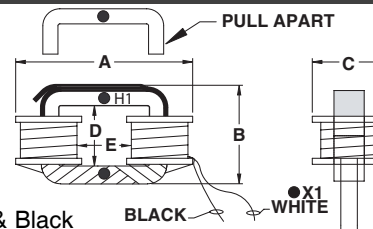
ORDERING INFORMATION

Example: 25 Amp AC Input with
 0 to 10Vdc Output.
CTRS-025D



INPUT CURRENT	STANDARD OUTPUTS MODEL NUMBER CTRS-			
	0-1MA	4-20MA	0-10V	0-5V
0 to 5	005B	005E	005D	005X5
0 to 10	010B	010E	010D	010X5
0 to 15	015B	015E	015D	015X5
0 to 20	020B	020E	020D	020X5
0 to 25	025B	025E	025D	025X5
0 to 50	050B	050E	050D	050X5
0 to 100	101B	101E	101D	101X5
0 to 200	201B	201E	201D	201X5
0 to 300	301B	301E	301D	301X5
0 to 400	401B	401E	401D	401X5
0 to 500	501B	501E	501D	501X5
0 to 1000	102B	102E	102D	102X5
0 to 1K	102RB	102RE	102RD	102RX5
0 to 2K	202RB	202RE	202RD	202RX5
0 to 5K	502RB	502RE	502RD	502RX5
0 to 10K	103RB	103RE	103RD	103RX5
0 to 15K	153RB	153RE	153RD	153RX5
0 to 20K	203RB	203RE	203RD	203RX5
0 to 25K	253RB	253RE	253RD	253RX5
0 to 30K	303RB	303RE	303RD	303RX5
0 to 40K	403RB	403RE	403RD	403RX5

CTRS SENSOR DIMENSIONS (5A to 1000A)

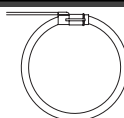


Lead Lengths
 72", 16 gauge, White X1 & Black

INPUT AMPS AC	SENSOR SIZE	DIMENSIONS					WT. LBS.
		A	B	C	D	E	
5-100	A	2.80	2.00	1.12	0.90	0.85	0.4
200-500	B	3.85	3.80	1.20	2.40	1.25	0.8
1000	C	5.50	4.60	1.30	3.15	2.90	1.5

CTRS SENSOR DIMENSIONS (1000A to 40KA)

Sensor ID
 Standard 7 Inches ... 24 Inches in Length
 Option "-1" ... 11 Inches ... 36 Inches in Length
 Option "-2" ... 15 Inches ... 48 Inches in Length



CAUTION: To prevent damage to power lines, transducer or personnel, **NEVER** connect the current inputs directly or use 5 amp secondary current transformers, always use the transformers provided with the unit.

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