CURRENT TRANSDUCERS

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

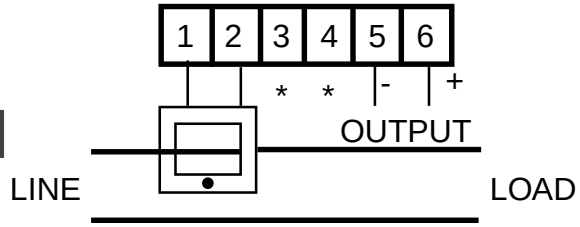
FEATURES

- Accurate measurement of the true RMS value of input signal.
- Split-Core 5A thru 1000A sensors without loss of accuracy.
- Open circuit protection.
- Provides high accuracy split-core operation.

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

ORDERING INFORMATION
EXAMPLE: 25 AMP AC INPUT WITH
0 TO 10VDC OUTPUT.
CTRS-025D

CONNECTION DIAGRAM



* AC instrument power - terminals 3,4

SPECIFICATIONS

INPUT

Current ..... See tables
Frequency Range ..... 50-60Hz.
Burden ..... 0.28VA F.S.
Current Overload ..... 2 times full scale (cont.)
5X (10 Sec. transient)
10X (1 Sec. transient)
Dielectric Test (Input/Output/Case) 1500Vac

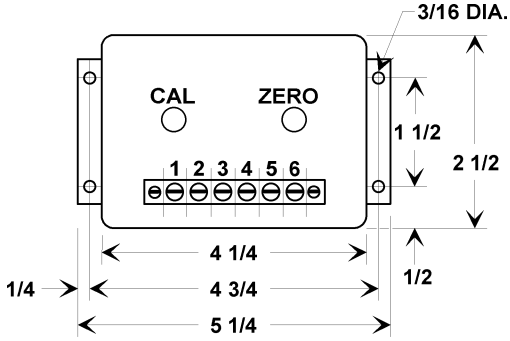
OUTPUT

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

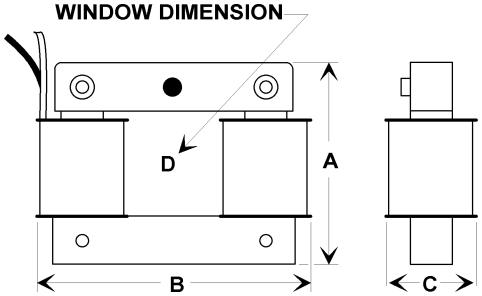
Model 5A & 10A ..... ± 0.5% F.S.
All other Models ..... ± .25% F.S.
Temperature Effect.....(-20°C to 60°C) ..... ± 1.0% Rdg.
Instrument Power (Std.) 85-135VAC, 50-400Hz., 3.5VA
Optional 230V Instr. Power ..... Add Suffix "-22"

CASE DIMENSIONS



TERMINAL SCREWS #6
OVERALL HEIGHT 4 3/8 MAX.
WEIGHT: 1.5 LBS.
ALL DIMENSIONS IN INCHES.

WINDOW DIMENSION



CURRENT RANGES	A	B	C	D	COLOR
5-50	1 11/16	2 1/2	1	7/16	BLUE
100	1 11/16	2 1/2	1	7/16	BLACK
200	2 1/8	3 1/8	1 1/4	7/8	YELLOW
300-500	2 1/2	3 3/8	1 1/4	1 1/4	RED
1000	4 1/8	4 5/8	1	2 13/32 X 2 3/4	GREEN

To open the current transformer, place fingers on both sides of the laminations and pull apart. To install, align the taper poles, place around the cable and push together. Secure with a wire tie or tape.

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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