

RMS CURRENT TRANSDUCER

MODEL CTR

ACCURATE TO 0.25% FULL-SCALE

FEATURES

Accurate measurement of the **true RMS** value of input signals over a wide frequency range.

Input/output isolation.

APPLICATIONS

For use in applications where measurement of non-sinusoidal waveforms is required.

Designed to withstand motor start-up transients.

INPUT AMPS	STANDARD OUTPUTS MODEL CTR-			
	0 - 1mA	4 - 20mA	0 - 10Vdc	0 - 5Vdc
0 - 1	001B	001E	001D	001X5
0 - 5	005B	005E	005D	005X5
0 - 10	010B	010E	010D	010X5
0 - 15	015B	015E	015D	015X5
0 - 20	020B	020E	020D	020X5



All std. units require 85 - 135Vac instrument power, (50 - 400 Hz.).
 Optional 220Vac instrument power - Add suffix "- 22".
 Consult factory for higher current ranges or see OSI Low Cost Current Transformers on page 89.

ORDERING INFORMATION

Example: 15 Amp ac input with
 0 - 10Vdc output.
CTR - 015D

CURRENT

MODEL CTR SPECIFICATIONS

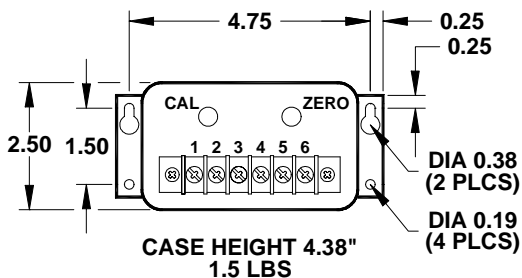
INPUT

CURRENT: See tables
 FREQUENCY RANGE: 48 - 420 Hz.
 BURDEN: 0.28VA F.S.
 CURRENT OVERLOAD:
 1 - 10A range: 2 times full-scale (cont.)
 1A range: 10A (10 Sec. transient)
 All other ranges: 50A (10 Sec. transient)
 250A (1 Sec. transient)
 DIELECTRIC TEST (Input/Output/Case): 1500Vac
 INSTRUMENT POWER (std.): 85 - 135Vac,
 50 - 400 Hz, 3.5VA.

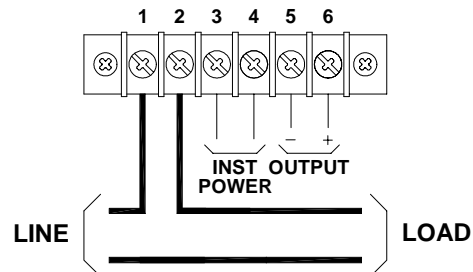
OUTPUT

ACCURACY: $\pm 0.25\%$ F.S. (@ 60Hz)
 Includes effects of linearity.
 $\pm 0.5\%$ over frequency range.
 RESPONSE TIME (90%): 100 milliseconds
 OUTPUT RIPPLE: Less than 1.0% F.S.
 OUTPUT LOADING (ohms):
 0 - 1mA: 0 - 10K
 0 - 10Vdc, 0 - 5Vdc: 2K minimum
 4 - 20mA: 0 - 500
 FIELD ADJUSTABLE CAL.: $\pm 10\%$
 TEMP. EFFECT (-20°C to +60°C): $\pm 1.0\%$ RDG.

CASE DIMENSIONS



CONNECTION DIAGRAM



AC