

CURRENT TRANSDUCERS

AC CURRENT TRANSDUCER/TRANSFORMER

MODEL CTD

FEATURES

- The CTD Series of AC Current Transducers provide a DC output which is proportional to the AC current input. The output is derived from the average absolute value of the input and calibrated as the RMS value of the Sine Wave
- Ideal for applications where space is a consideration.
- Transformer and Transducer are housed in one case.



SPECIFICATIONS

INPUT

Current Range See Table
Over Range 1.3X Rating, 5X Rating for 10 Sec/hr
Frequency 50-400Hz
Dielectric Test.....Input/Output/Case 1800Vac
Instrument Power

(1mAdc, 5Vdc, 10Vdc Models) Self-Powered
(4-20mAdc Models) 24Vdc $\pm$ 4Vdc

OUTPUTS

..... See Table
Load on Output

(1mA Models) 0 to 10K Ω
(5V, 10V Models) > 10M Ω
(4-20mA Models) 0 to 500 Ω

Ripple < $\pm$ 0.5% F.S.
Response Time 90% 300ms.

ACCURACY $\pm$ 0.5% F.S.
(Includes Linearity, Nominal Frequency and Set Point)
Temperature Effect....(-20°C to +60°C) $\pm$ 1% F.S.
Weight 1.1 Lbs.

ORDERING INFORMATION

Example: 50Aac Input with
4-20mA Loop-Powered Output.
CTD - 050E2

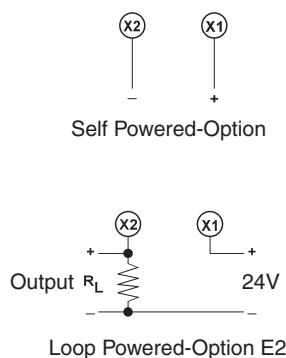
INPUT AC AMPS	STANDARD OUTPUTS MODEL CTD-			
	5Vdc**	10Vdc**	1mAdc	4-20mAdc*
0-50	050CX5	050C	050A	050E2
0-100	100CX5	100C	100A	100E2
0-200	200CX5	200C	200A	200E2
0-300	300CX5	300C	300A	300E2
0-400	400CX5	400C	400A	400E2
0-500	500CX5	500C	500A	500E2
0-600	600CX5	600C	600A	600E2
0-800	800CX5	800C	800A	800E2
0-1000	1000CX5	1000C	1000A	1000E2

*Requires 24Vdc $\pm$ 4Vdc (Loop Powered)

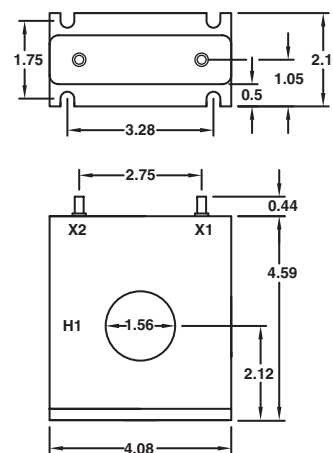
*E2 models are not CE Listed.

**Voltage output models are not UL listed.

CONNECTIONS



DIMENSIONS



All Dimensions In Inches

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