CURRENT TRANSDUCERS

AC CURRENT TRANSDUCER/TRANSFORMER *MODEL* CTC

FEATURES

The CTC Series of AC Current Transducers provide a self-powered 0-5Vdc or 0-10Vdc output or a loop-powered 4-20mAdc output proportional to window amperes. The output is derived from the average absolute value of the input and calibrated to the RMS value of a sine wave input.

- Insensitive to polarity
- Designed for applications requiring accurate current measurements
- Easy to install

c UL us LISTED
E167120

SPECIFICATIONS

INPUT
Current Range ..... See Table
Current Overload ..... 1.3X Rating Continuous
5X Rating for 10 sec./Hr.
Frequency 50-60Hz
Dielectric Test . Input/Output/Case 1800Vac
Instrument Power
(0-5V, 0-10V Models) ..... Self-Powered
(4-20mA Models)... Loop Powered, 24Vdc, ±4Vdc
OUTPUTS ..... See Table
Load on Output
(0-5V, 0-10V Models) ..... >10MΩ
(4-20mA Models)..... 0 to 500Ω
Ripple ..... < ± 0.5% F.S.
Response Time 90% .....(Typical) 300ms
5A & 10A ..... < 750ms
ACCURACY ..... 0.25%F.S.
(Includes Linearity, Set Point and Repeatability @ 60Hz)
Temperature Effect....(-20° C to +60° C) ..... ±1%Rdg.
Weight ..... 5.0 oz.

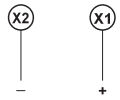
ORDERING INFORMATION

Example: 25Aac Input with
4-20mA Loop Powered Output
CTC-025E2

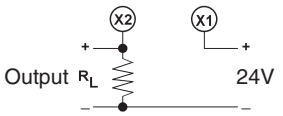
INPUT AC AMPS	STANDARD OUTPUTS MODEL CTC-		
	5Vdc*	10Vdc*	4-20mA**
0-5	005CX5	005C	005E2
0-10	010CX5	010C	010E2
0-15	015CX5	015C	015E2
0-20	020CX5	020C	020E2
0-25	025CX5	025C	025E2
0-30	030CX5	030C	030E2
0-35	035CX5	035C	035E2
0-40	040CX5	040C	040E2
0-50	050CX5	050C	050E2

* 5V and 10V models are self-powered from measured line.
**4-20mA loop-powered models require an external 24Vdc power supply.
NOTE: E2 models are not CE listed.

CONNECTIONS

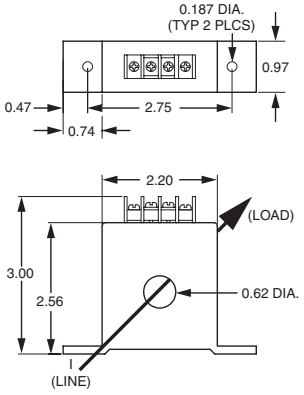


Self Powered-Option



Loop Powered-Option E2

DIMENSIONS



All Dimensions In Inches

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