

CURRENT TRANSDUCERS

AC CURRENT TRANSDUCER

MODEL ACT

ACCURATE TO 0.25% FULL SCALE

FEATURES

- Accurate, reliable current measurement over a frequency range of 50/60Hz
- UL, CUL, and CE listed

INPUT AC AMPS	STANDARD OUTPUTS MODEL ACT-				
	UL, CUL, & CE				UL & CUL
	0-1mA ^{dc} *	4-20mA ^{dc} **	0-10V ^{dc} *	0-5V ^{dc} *	4-20mA ^{dc}
0-1	001A	001E2	001C	001CX5	001E
0-5	005A	005E2	005C	005CX5	005E
0-10	010A	010E2	010C	010CX5	010E
0-20	020A	020E2	020C	020CX5	020E

Highlighted Model (5A) can be used with current transformers.

*Models are self-powered from measured line.

**4-20mA loop-powered, E2 models require 15-24Vdc.

4-20mA, E models require 115Vac instrument power.

Optional 230Vac instrument power-Add suffix "-22".

Transducer output is derived from the average absolute value of the input and calibrated in terms of the RMS value of the sine wave input.

"E" Model not CE approved

APPLICATIONS

- Designed for use in applications which require inexpensive current measurement.
- Designed to withstand motor start-up transients.



ACT-005C

ORDERING INFORMATION

Example: 20Aac input with
4-20mA output.
ACT-020E

SPECIFICATIONS

INPUT

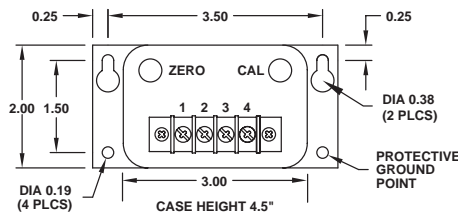
Frequency Range 50/60Hz
 Burden 1.0VA F.S.
 Current Overload 2 X F.S. Rating continuous
 20A model 1.25 X F.S. Rating continuous
 Dielectric Test.....(Input/Output/Case).....2200Vac
 Instrument Power
 STD. 4-20mA UNITS 115Vac, 50/60Hz, ± 15%, 10VA max.
 "-22" Option 230Vac, 50/60Hz, ± 15%, 10VA max.
 Weight A, C, CX5, and E2 Models 0.8 Lb.
 E Models 1.4 Lbs.

OUTPUT

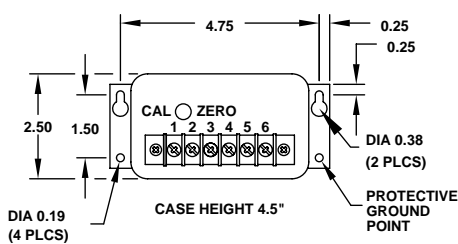
ACCURACY ± 0.25% F.S. @ 60Hz
 Includes effects of linearity and set point.
 Output Ripple..... < 1.0% F.S.
 Response 400ms
 Output Loading (Ω)
 1mA 0-10K
 4-20mA (E Models) 0-1K
 4-20mA (E2 Models) 0-600Ω @ 24Vdc
 5V & 10V ≥ 10M
 Field Adjustable Cal..... ± 5%
 Temperature Range..... -20°C to +60°C
 Temperature Effect ± 1.0% Rdg.

DIMENSIONS

MODELS WITH A, C, CX5 & E2 OPTIONS



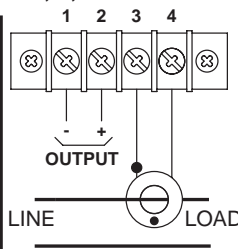
MODEL ACT WITH E OPTION



All Dimensions In Inches

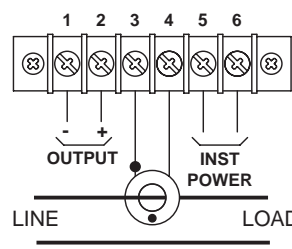
CONNECTION DIAGRAMS

A, C, CX5 OPTIONS



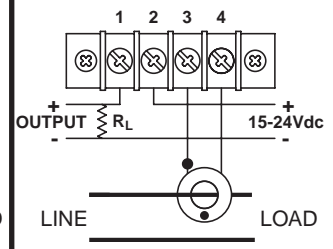
Model ACT with Current Transformers

E OPTION



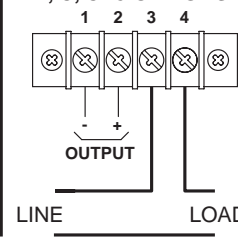
Model ACT with Current Transformers

E2 OPTION



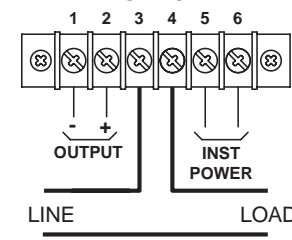
Model ACT with Current Transformers

A, C, CX5 OPTIONS



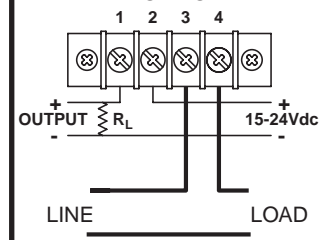
Model ACT with Integral Sensor

E OPTION



Model ACT with Integral Sensor

E2 OPTION



Model ACT with Integral Sensor

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