

CURRENT TRANSDUCERS

AC CURRENT TRANSDUCER

MODEL 3ACT

THREE CURRENT TRANSDUCERS IN ONE ENCLOSURE

FEATURES

- Accurate, reliable current measurement.
- Three separate inputs, three outputs.
- Input/output isolation.
- UL and CUL Listed.

INPUT AC AMPS	OPTIONAL OUTPUTS MODEL 3ACT-				
	0-1mA*	4-20mA	4-20mA**	0-10Vdc*	0-5Vdc*
0 to 1	001A	001E	001E2	001C	001CX5
0 to 5	005A	005E	005E2	005C	005CX5
0 to 10	010A	010E	010E2	010C	010CX5
0 to 20	020A	020E	020E2	020C	020CX5

Highlighted 0-5Amp Model can be used with current transformers.

*Models are self-powered from measured line.

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

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.

MODEL 3ACT SPECIFICATIONS

INPUT

Frequency Range 50/60 Hz.

Burden 1.0VA F.S. (each input)

Current Overload 2 X Full Scale Rating continuous

20A Model 1.25 X Full Scale Rating

Dielectric Test.... (Input/Output/Case) 2200Vac

Instrument Power

STD. 4-20mA Units 115Vac, 50/60 Hz., + 15%, 10VA

-22 Option 230Vac, 50/60 Hz., + 15%, 10VA

OUTPUT

ACCURACY + 0.25% F.S. (at 60Hz.)

Includes effects of linearity and setpoint.

Output Ripple Less than 1.0% F.S.

Response 400 milliseconds

Output Loading (OHMS)

1mA 0-10K

4-20mA (E Model) 0-1K

4-20mA (E2 Model) 0-600 Ohms @ 24Vdc

5V & 10V > 10M

Field Adjustable Cal. + 5%

Temperature Effect + 1.0% Rdg.

Temperature Range -20°C to 60°C

APPLICATIONS

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



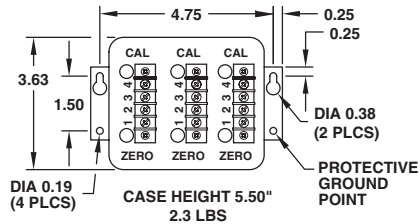
3ACT-005A

ORDERING INFORMATION

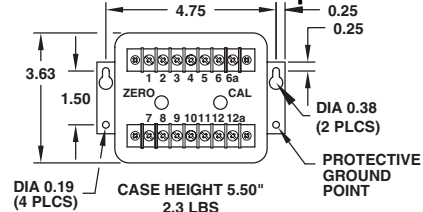
Example: Three 0-5 Amp Inputs with
Three 4-20mA Outputs.
3ACT-005E

CASE DIMENSIONS

Model 3ACT with A, C, CX5, and E2 Options



Model 3ACT with E Option

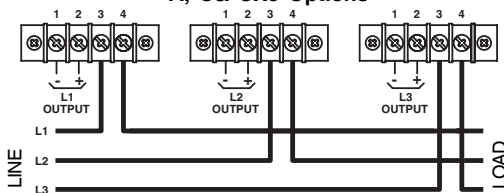


All Dimensions In Inches

CONNECTION DIAGRAMS

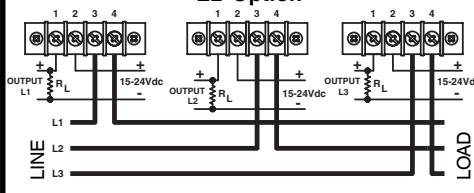
3ACT with Integral Current Sensor

A, C & CX5 Options

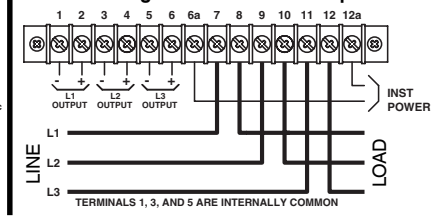


3ACT with Integral Current Sensor

E2 Option

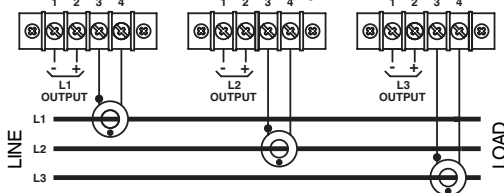


3ACT with Integral Current Sensor E Option



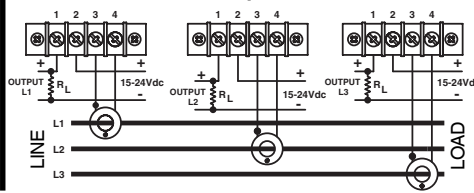
3ACT Using Current Transformers

A, C & CX5 Options

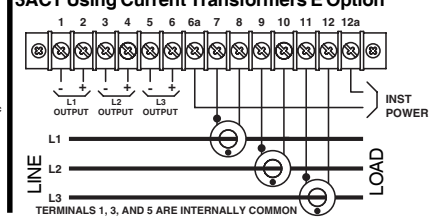


3ACT Using Current Transformers

E2 Option



3ACT Using Current Transformers E Option



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