

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, CUL, and CE Listed.

INPUT	STANDARD OUTPUTS MODEL 3ACT-				
	UL, CUL, & CE				UL & CUL
AC AMPS	0-1mAdc*	4-20mA**	0-10Vdc*	0-5Vdc*	4-20mA
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 0-5Amp Model 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 Listed

For an output that represents the average of the three inputs:

Add Suffix "Y05 (Formerly X6668) (Note: Not UL, CUL, or CE Listed)

SPECIFICATIONS

INPUT

Frequency Range 50/60Hz

Burden 1.0VA F.S. (each input)

Current Overload 2 X F.S. Rating continuous

20A Model 1.25 X F.S. Rating

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

Instrument Power

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

"-22" Option 230Vac, 50/60Hz, ± 15%, 10VA

OUTPUT

ACCURACY ± 0.25% F.S. (@ 60Hz)

Includes effects of linearity and setpoint.

Output Ripple <1.0% F.S.

Response 400ms

Output Loading (Ω)

1mA 0-10K

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

4-20mA (E2 Model) 0-600Ω @ 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.

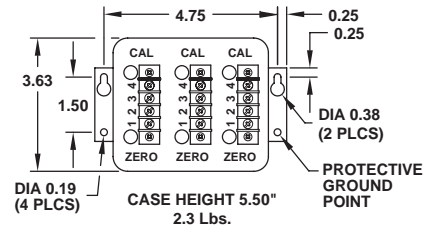


ORDERING INFORMATION

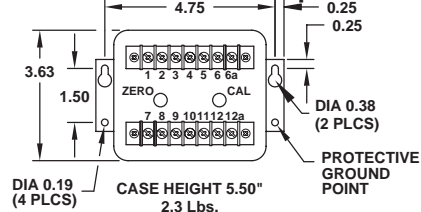
Example: Three 0-5A Inputs with
Three 4-20mA Outputs.
3ACT-005E

DIMENSIONS

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



Model 3ACT with E Option

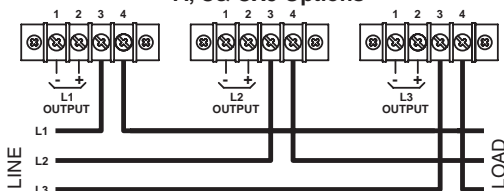


All Dimensions In Inches

CONNECTION DIAGRAMS

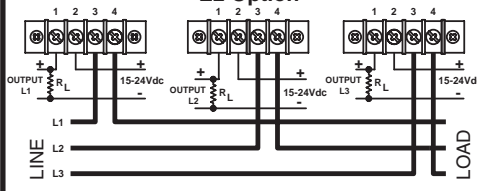
3ACT with Integral Current Sensor

A, C & CX5 Options

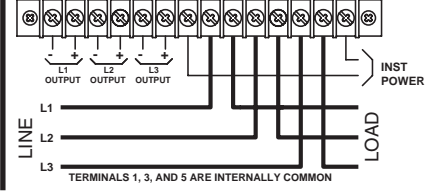


3ACT with Integral Current Sensor

E2 Option

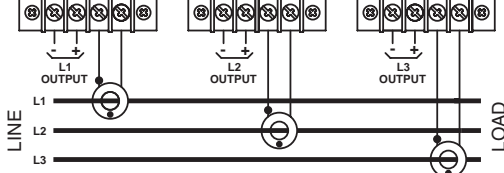


3ACT with Integral Current Sensor E Option



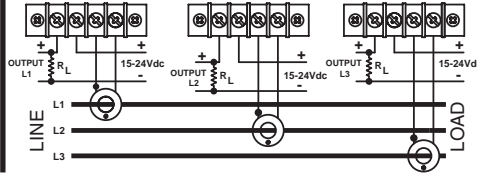
3ACT Using Current Transformers

A, C & CX5 Options

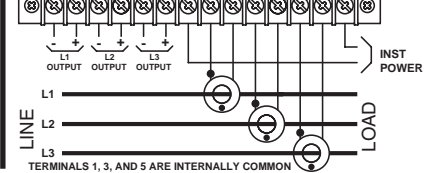


3ACT Using Current Transformers

E2 Option



3ACT Using Current Transformers E Option



FLEX-CORE®

Div. Morlan & Associates, Inc.

4970 Scioto Darby Rd. Hilliard, Ohio 43026

WWW.FLEX-CORE.COM

sales@flex-core.com

PHONE (614) 889-6152

TECH. ASSISTANCE (614) 876-8308

FAX # (614) 876-8538