

THREE-PHASE AC RMS CURRENT TRANSDUCER

MODEL 3CTR

3-IN-1 AC RMS CURRENT TRANSDUCER 0.25% ACCURACY

FEATURES

- Accurate measurement of the **true RMS** value of input current over a wide frequency range.
- Input/output dielectric test 2500Vac
- **0.25% ACCURACY**

APPLICATIONS

- For use in applications where measurement of non-sinusoidal waveforms is required.
- Designed for use on three-phase systems, but may also be used to monitor three single-phase circuits where panel space is a premium.
- Designed to withstand motor start-up transients.

**5 YEAR
WARRANTY**



All units have universal power supply
85-265Vac, 48-420Hz, or 110-370Vdc.

ORDERING INFORMATION

Example: 15 Amp AC Input with
0-10Vdc Output.
3CTR-015D

INPUT (Aac)	STANDARD OUTPUTS MODEL 3CTR-			
	0-1mA _{dc}	4-20mA _{dc}	0-10V _{dc}	0-5V _{dc}
0-1	001B	001E	001D	001X5
0-5	005B	005E	005D	005X5
0-10	010B	010E	010D	010X5
0-15	015B	015E	015D	015X5
0-20	020B	020E	020D	020X5

SPECIFICATIONS

INPUT

Current.....See Table
Frequency Range.....48-420Hz
Burden.....(Each input).....0.40VA @ F.S.
Overload
1-10A Range.....2 X F.S. (cont.)
15 & 20A Range.....1.25 X F.S. rating (cont.)

DIELECTRIC TEST

Input/Output/Case.....2500Vac

INSTRUMENT POWER

Standard.....85-265Vac, 48-420Hz, 5VA
or 110-370Vdc, 5VA

OUTPUT

Response Time (1 cycle + 0% to 90%).....≤100ms
Loading
"B" models.....(0-1mA_{dc}).....0-10kΩ
"D", "X5" models.....(0-10V_{dc}, 0-5V_{dc}).....2kΩ min.
"E" models.....(4-20mA_{dc}).....0-500Ω
Field Adjustable Cal.±10%

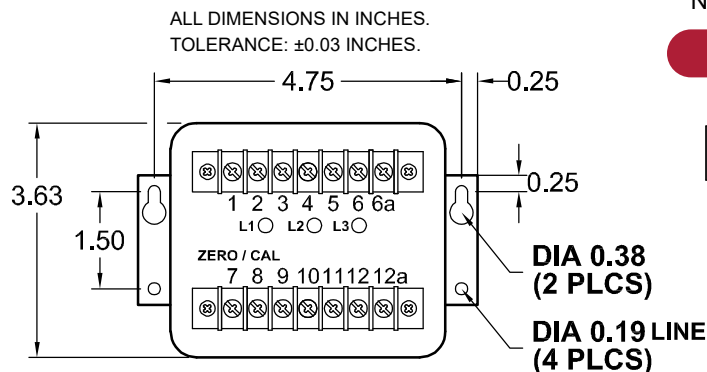
ACCURACY

Linearity & Setpoint.....1%-100% F.S.
All models.....@ 60Hz ±0.25%F.S.
@ 48-420Hz ±0.5% F.S., Typical
Output Ripple.....<1.0% F.S.

TEMPERATURE & PHYSICAL

Temperature Effect...(-20°C to 60°C)....±1.0% Rdg., ±0.1% F.S.
Net Weight.....2.5 Lbs.

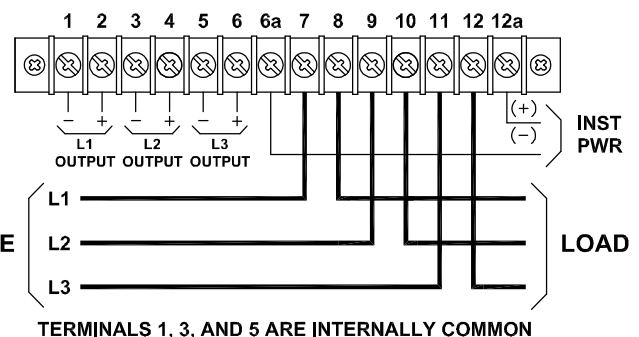
CASE DIMENSIONS



CASE HEIGHT 6.63"

Each calibration hole adjustment:
Left is Zero, Right is CAL, as shown.

CONNECTION DIAGRAMS



Dwg# 0902-00471-B Rev E



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