

CURRENT TRANSDUCERS

3 IN 1 RMS CURRENT TRANSDUCER

MODEL 3CTR

THREE RMS CURRENT TRANSDUCERS IN ONE ENCLOSURE

FEATURES

- Accurate measurement of the **true RMS** value of input signals over a wide frequency range.
- Accurate to 0.25% Full Scale
- Designed to withstand motor start-up transients.
- Input/output isolation.

INPUT	STANDARD OUTPUTS MODEL 3CTR-			
AC	0-1mA	4-20mA	0-10Vdc	0-5Vdc
0 to 1.0A	001B	001E	001D	001X5
0 to 5.0A	005B	005E	005D	005X5
0 to 10.0A	010B	010E	010D	010X5
0 to 15.0A	015B	015E	015D	015X5
0 to 20.0A	020B	020E	020D	020X5

ORDERING INFORMATION

Example: 5 Amp AC Input
with 0-10Vdc Output.
3CTR-005D

APPLICATIONS

- Designed for use in applications where measurement of nonsinusoidal 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 limited.
- Use with current transformers for high current application.



Model 3CTR

MODEL 3CTR SPECIFICATIONS

INPUT

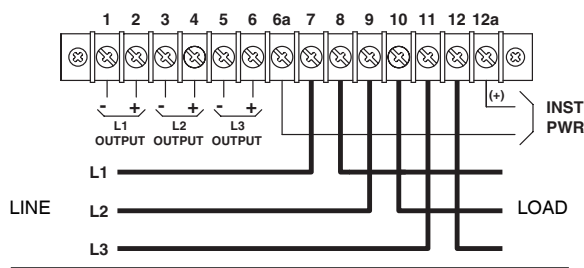
Current See Table
 Frequency Range 48 to 420 Hz.
 Burden 0.4VA F.S.
 Current Overload
 1-10A Range 2 X F.S.(cont.)
 15-20A Range 1.25 X F.S.(cont.)
 1A Range 10A (10 sec. transient)
 All other Ranges 50A (10 sec. transient)
 250A (1 sec. transient)
 Dielectric Test.....(Input/Output/Case) 2500Vac

OUTPUT

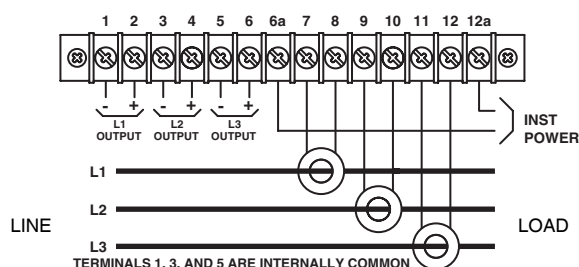
Output Ripple Less than 1.0% F.S.
 Response (90%) 100 milliseconds
 Output Loading (OHMS)
 0-1mA 0-10K
 0-10Vdc, 0-5Vdc 2K min.
 4-20mA 0-500
 Field Adjustable Cal. +10%
ACCURACY **+0.25% F.S.** at 60Hz.
 Includes effects of linearity and repeatability.
 +0.5% F.S. over frequency range
 Temperature Effect.....(-20°C to 60°C) +1.0%Rdg.
 Instrument Power (Std.)... ..85-265Vac, 48-420 Hz,5VA
 or 110-370Vdc,5VA
 Weight 2.5 Lbs.

3CTR CONNECTION DIAGRAMS

USING INTERNAL CURRENT SENSORS

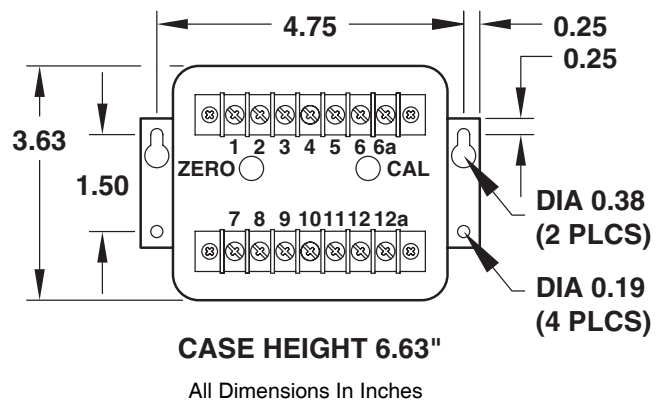


USING CURRENT TRANSFORMERS



TERMINALS 1, 3, AND 5 ARE INTERNALLY COMMON

3CTR CASE DIMENSIONS



CASE HEIGHT 6.63"

All Dimensions In Inches

FLEX-CORE®

Div. Morlan & Associates, Inc.

6625 McVey Blvd. Columbus, Ohio 43235

WWW.FLEX-CORE.COM

sales@flex-core.com

PHONE (614) 889-6152

TECH. ASSISTANCE (614) 876-8308

FAX # (614) 876-8538

CURRENT TRANSDUCERS