SINGLE-PHASE AC RMS CURRENT TRANSDUCER MODEL ACTR-

ACCURATE TO 0.25% FULL-SCALE

FEATURES

- APPLICATIONS
- Accurate measurement of the true RMS value of input signals over a wide frequency range.
- · Input/output isolation.

- For use in applications where measurement of non-sinusoidal waveforms is required.
- · Designed to withstand motor start-up transients.



LIJIED	
Measuring Equipment 7N93	

INPUT	STANDARD OUTPUTS MODEL ACTR-			
AC AMPS	0-1mAdc	4-20mA	0-10Vdc	0-5Vdc
0 - 1 0 - 5 0 - 10 0 - 15 0 - 20	001B 005B 010B 015B 020B	001E 005E 010E 015E 020E	001D 005D 010D 015D 020D	001X5 005X5 010X5 015X5 020X5



All standard units require 115Vac instrument power. Optional 230Vac instrument power - Add suffix "-22".

5 YEAR WARRANTY

ORDERING INFORMATION

Example: 15Aac Input with 0-10Vdc Output. ACTR-015D

SPECIFICATIONS

INPUT

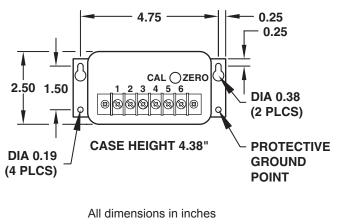
Current	See Table
Frequency Range	48-420Hz
Burden	
Current Overload (w/o damage)
1-10A range	
15-20A range	. 25A maximum (continuous)
10 X rating for one-second tr	ansient10s/hr

DIELECTRIC TEST

Input/Output/Case2	2200Vac
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INSTRUMENT POWER

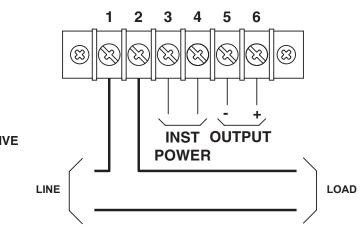
CASE DIMENSIONS



TEMPERATURE & PHYSICAL

Temperature Effect...(-20°C to 60°C)±1.0% Rdg. Net Weight1.5 Lbs.

CONNECTION DIAGRAM



OHIO SEMITRONICS, INC. 4242 REYNOLDS DRIVE * HILLIARD, OHIO * 43026-1264 PHONE: (614) 777-1005 * FAX: (614) 777-4511 WWW.OHIOSEMITRONICS.COM * 1-800-537-6732

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ACTR Rev A.indd

INSTALLATION INSTRUCTIONS

- 1. Installation should be performed by qualified electricians only!
- 2. Verify that electrical service is disconnected before making any electrical connections.
- 3. Branch circuit protection is required to be provided in accordance with the National and Local codes of the inspection authority.
- 4. Route wires as required and secure to terminals per connection diagram on this sheet and on the unit.
- 5. Attach the Protective Ground Point () to earth ground by mounting to a grounded enclosure or by attaching a ground wire. Paint barrier on can must be broken by using an internal-tooth lock-washer or similar device.

OPERATING INSTRUCTIONS

- 1. This unit is intended for indoor use at altitudes up to 2000 meters.
- 2. Transient overvoltages according to Installation Category (overvoltage category) II, pollution Degree 2.
- 3. The output signal is intended to be "Not accessible to the user." To prevent contact with live circuits, the transducer is required to be mounted in an enclosure that requires the use of a tool for access.
- 4. If cleaning of the exterior surface is necessary, de-energize all services of supply (both measuring and instrument power circuits) and brush with a soft brush or blow off with low-pressure air. Use appropriate eye protection. Not suitable for hose-down cleaning.
- 5. Maximum relative humidity 80 percent for temperatures up to 31°C decreasing linearly to 50 percent relative humidity at 40°C.
- 6. Maximum operating temperature range is -20°C to 60°C.

WARRANTY STATEMENT

Ohio Semitronics Inc. warrants this unit to be free of defects in material and workmanship for a period of five years from date of shipment. This unit must not be used in any manner other than as specified in this document.

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