

# VOLTAGE TRANSDUCERS

## AC VOLTAGE TRANSDUCER

MODEL AVT

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#### FEATURES

- Accurate, reliable voltage measurement
- 2200Vac input/output isolation
- UL, CUL, CE Recognized



INPUT	OPTIONAL OUTPUTS MODEL NUMBER AVT-				
AC VOLTAGE	0-1mAdc*	4-20mAdc	4-20mAdc**	0-10Vdc*	0-5Vdc*
0-90	090A	090E	090E2	090C	090CX5
0-150	150A	150E	150E2	150C	150CX5
0-300	300A	300E	300E2	300C	300CX5
0-600	600A	600E	600E2	600C	600CX5

\*Models are self-powered from measured voltage line.  
 \*\*E2 loop-powered models require 15-24Vdc  
 E (4-20mA) models require 115Vac instrument power.  
 Optional 230Vac instrument power - Add suffix "22"  
 "E" models are not CE listed.

#### APPLICATIONS

- Designed for use in applications where inexpensive voltage measurement is required.
- Line voltage monitoring.
- AVT150 can be used with higher voltage potential transformers.



**ORDERING INFORMATION**  
 Example: Single Phase 120Vac Input  
 with 4-20mA Output.  
**AVT-150E**

Transducer output is derived from the average absolute value of the input and calibrated as the RMS value of a sine wave input.

#### SPECIFICATIONS

##### INPUT

Voltage..... See Tables  
 Frequency Range ..... 50/60 Hz  
 Burden  
 90Vac, 150Vac Models..... 1VA  
 300Vac Models..... 2VA  
 600Vac Models..... 3VA  
 Overload ..... Full Scale Rating  
 600Vac Models..... 575Vac  
 Dielectric Test ..... (Input/Output/Case)..... 2200Vac

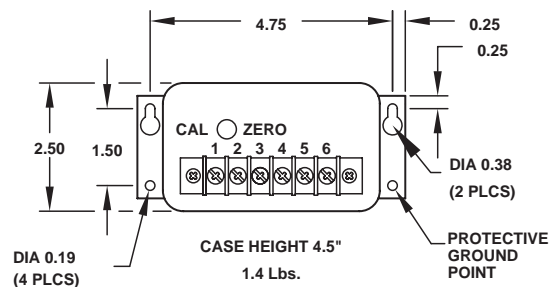
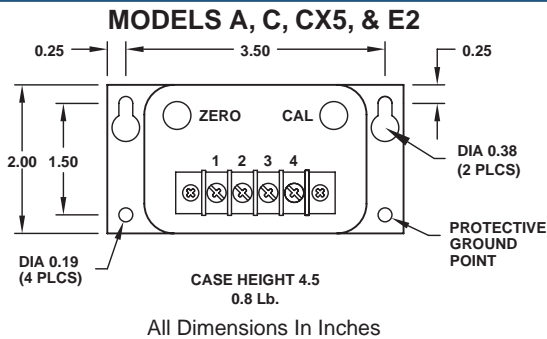
##### Instrument Power

Std. 4-20mA units..... 115Vac, 50/60Hz,  $\pm 15\%$ , 10VA max.  
 "-22" Option..... 230Vac, 50/60Hz,  $\pm 15\%$ , 10VA max.

##### OUTPUT

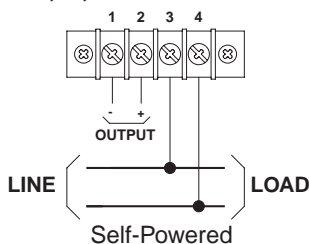
**ACCURACY** .....  $\pm 0.25\%$  F.S. @ 60Hz  
 Includes effects of linearity (10-100%) and setpoint.  
 Output Ripple..... <1.0% F.S.  
 Response ..... 400ms  
 Output Loading ( $\Omega$ )  
 1mA ..... A ..... 0-10K  
 4-20mA ..... E ..... 0-1K  
 4-20mA ..... E2 ..... (@24Vdc)... 0-600  
 5V & 10V ..... C & CX5 .....  $\geq 10M$   
 Field Adjustable Cal.....  $\pm 5\%$   
 Temperature Effect .....  $\pm 1.0\%$  Rdg.  
 Temperature Range..... -20°C to +60°C

#### CASE DIMENSIONS

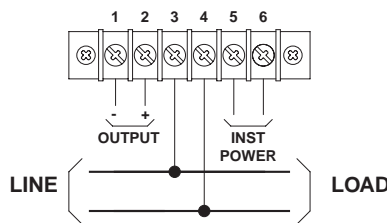


#### CONNECTION DIAGRAMS

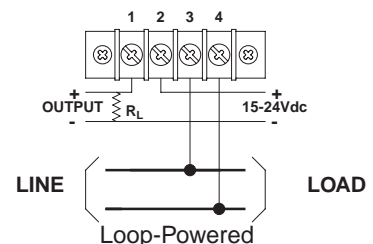
##### A, C, & CX5 OPTIONS



##### E OPTION



##### E2 OPTION



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