

VOLTAGE TRANSDUCERS

AC VOLTAGE TRANSDUCER

MODEL AVT

FEATURES

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



INPUT	OPTIONAL OUTPUTS MODEL NUMBER AVT-				
AC VOLTAGE	0-1mA*	4-20mA	4-20mA**	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".

APPLICATIONS

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



AVT-150A

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.

MODEL AVT SPECIFICATIONS

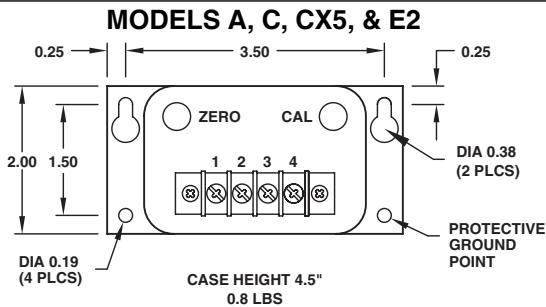
INPUT

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
 ("E" 4-20mA output units)
 115Vac, 50/60 Hz, + 15%, 10VA max.
 "-22" Option 230Vac, 50/60 Hz, + 15%, 10VA max.

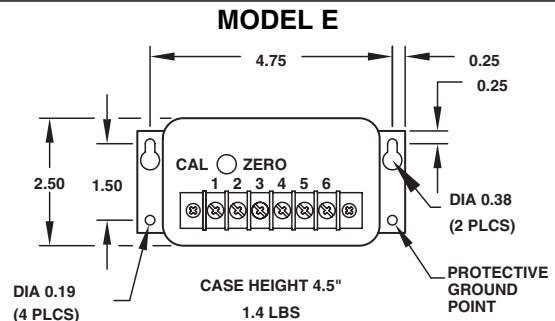
OUTPUT

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

CASE DIMENSIONS

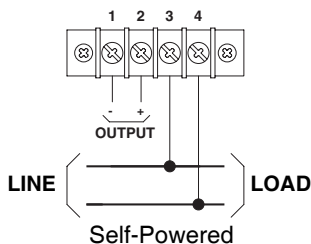


All Dimensions In Inches

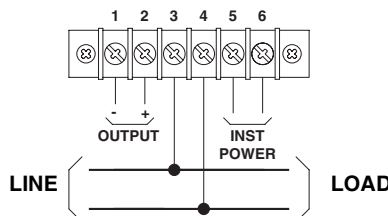


CONNECTION DIAGRAMS

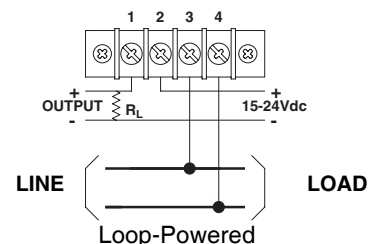
A, C, & CX5 OPTIONS



E OPTION



E2 OPTION



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