

# OSI SINGLE-PHASE AC RMS VOLTAGE TRANSDUCER MODEL DVTR-

## DIN-RAIL-MOUNTED AC RMS VOLTAGE TRANSDUCER

### FEATURES

- Accurate measurement of the true RMS value of the input signal.
- Universal ac/dc instrument power.
- Models up to 600Vac input.

**5 YEAR WARRANTY**



### APPLICATIONS

- For use in applications where measurement of nonsinusoidal or distorted waveforms is required.
- Applications that require CE or CSA approval.
- Perfect for installations that require compact packaging.



## MODEL SELECTION

INPUT AC VOLTS	STANDARD OUTPUTS MODEL DVTR-			
	0-1mA <sub>dc</sub>	0-10V <sub>dc</sub>	4-20mA <sub>dc</sub>	0-5V <sub>dc</sub>
0-90	090B	090D	090E	090X5
0-150	150B	150D	150E	150X5
0-300	300B	300D	300E	300X5
0-600	600B	600D	600E	600X5

### ORDERING INFORMATION

Example: 120Vac Input with a 0-10V<sub>dc</sub> Output.

**DVTR-150D**

All standard units require 85-230Vac/dc instrument power (dc or 50/60Hz.)  
DIN-rail lengths available: Consult Factory

## SPECIFICATIONS

### INPUT

Voltage ..... See Table  
Frequency Range ..... 50/60Hz  
Burden ..... <1VA F.S.  
Overload ..... 120% F.S. Rating

### DIELECTRIC TEST

Input to Instrument Power/Output/Case ..... 3700Vac  
Instrument Power to Output/Case ..... 3700Vac  
Output to Case ..... 490Vac

### INSTRUMENT POWER

Standard ..... 85-230Vac/dc, 50/60Hz, 3.0VA

### TEMPERATURE

Operating Range ..... -10°C to +55°C

### OUTPUT

Response Time (to 90%) ..... 300ms  
Loading  
"B" models ..... (0-1mA<sub>dc</sub> output) ..... 0-15kΩ  
"D" & "X5" models .. (0-5, 0-10V<sub>dc</sub>) ..... 5kΩ min.  
"E" models ..... (4-20mA<sub>dc</sub>) ..... 0-750Ω

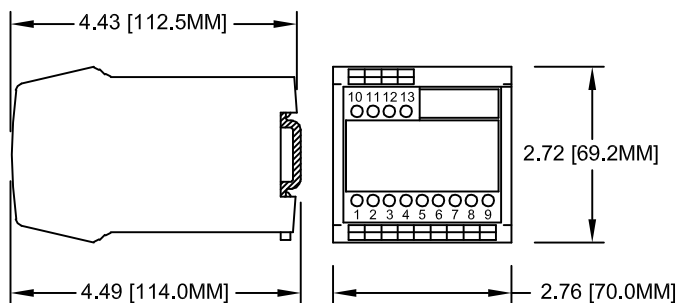
### ACCURACY

..... ±0.5% F.S. @60Hz  
Output Ripple ..... <0.5% pk-pk

### PHYSICAL

Termination ..... #10 AWG max.  
Net Weight ..... 0.7 lb

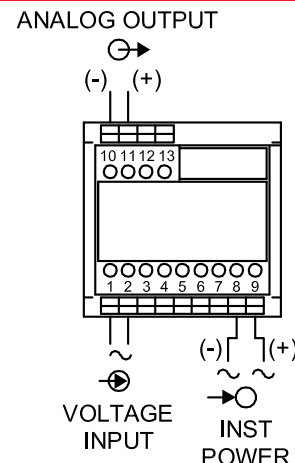
## CASE DIMENSIONS



### NOTES

1. DIMENSIONS ARE IN INCHES [MM].
2. MOUNTED ON 35MM TOP-HAT DIN-RAIL.

## CONNECTION DIAGRAM



Dwg# 0902-00869-B Rev --

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