

DIN RAIL RMS VOLTAGE TRANSDUCER

MODEL DVTR

FEATURES

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

APPLICATIONS

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



INPUT AC VOLTS	STANDARD OUTPUTS MODEL NUMBER DVTR-			
	0 - 1mA	0 - 10Vdc	4 - 20mA	0 - 5Vdc
0 - 150	090B	090D	090E	090X5
0 - 150	150B	150D	150E	150X5
0 - 300	300B	300D	300E	300X5
0 - 600	600B	600D	600E	600X5

All standard units require 85 - 230Vac/dc instrument power (dc or 50/60Hz).

ORDERING INFORMATION

Example: 120Vac input with
0 - 10Vdc output.
DVTR - 001D

MODEL DVTR SPECIFICATIONS

INPUT

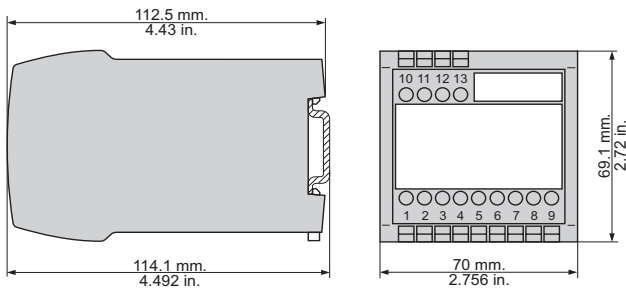
VOLTAGE: See tables
FREQUENCY RANGE: 50/60 Hz.
BURDEN: less than 1VA F.S.
OVERLOAD: 120% Full-scale rating.
DIELECTRIC TEST: 4000Vac

OUTPUT

ACCURACY: $\pm 0.5\%$ F.S. (at 60 Hz.)
OUTPUT RIPPLE: Less than 0.5% p.p.

RESPONSE TIME (90%): 300 milliseconds
OUTPUT LOADING (OHMS):
0 - 1mA: 0 - 15K
0 - 5V & 0 - 10V: 2.5K min.
4 - 20mA: 0 - 750
FIELD ADJUSTABLE CAL.: $\pm 15\%$
TEMPERATURE RANGE: -10°C to +55°C
INSTRUMENT POWER:
85 - 230Vac/dc, 50/60 Hz, 3.0VA

CASE DIMENSIONS



Mounted on 35 mm top-hat DIN rail.

CONNECTION DIAGRAMS

