

AC VOLTAGE TRANSDUCER

MODEL 2VT

TWO VOLTAGE TRANSDUCERS IN ONE ENCLOSURE

FEATURES

- Accurate, reliable voltage measurement.
- Two separate inputs, two outputs.
- Input/output isolation.

APPLICATIONS

- Designed for use in three wire applications which require inexpensive voltage measurement.
- Line voltage monitoring.

| INPUT | OPTIONAL OUTPUTS MODEL NUMBER 2VT- | | | | |
|------------|------------------------------------|--------|----------|---|--|
| AC VOLTAGE | 0-1mA* | 4-20mA | 4-20mA** | 0-10Vdc* | 0-5Vdc* |
| 0 to 90 | 090A | 090E | 090E2 | ORDER 0-1mA UNIT WITH TWO (2) CONVERTERS MODEL LRB-10000 | ORDER 0-1mA UNIT WITH TWO (2) CONVERTERS MODEL LRB-5000 |
| 0 to 150 | 120A | 120E | 120E2 | | |
| 0 to 300 | 240A | 240E | 240E2 | | |
| 0 to 600 | 3940A | 3940E | 3940E2 | | |

* 0-1mA models are self-powered from measured voltage line.

** 4-20mA loop-powered models, (15-40Vdc).

Std. 4-20mA models require 85-135Vac instrument power.

Optional 220Vac instrument power - Add suffix "-22".

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

ORDERING INFORMATION

Example: Two 0-150Vac inputs with
two 0-1mA outputs.
2VT-120A

MODEL 2VT SPECIFICATIONS

INPUTS

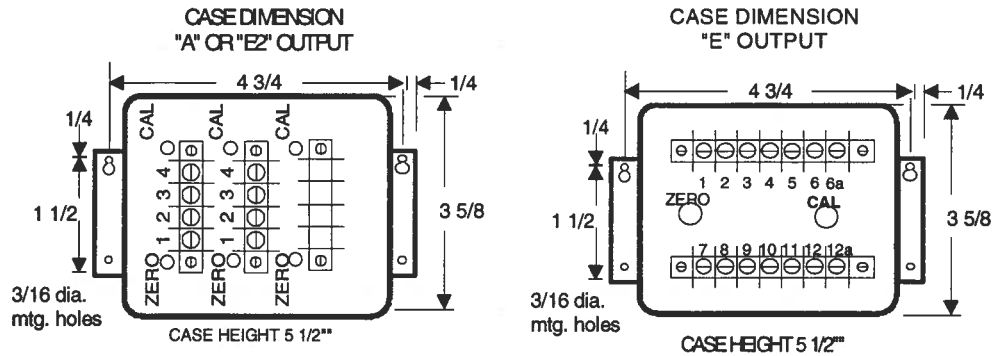
VOLTAGE: See tables
 FREQUENCY RANGE: 50 to 400 Hz.
 BURDEN: 2.8VA F.S.
 OVERLOAD: Full scale rating
 DIELECTRIC TEST (Input/Output/Case): 1500Vac
 INSTRUMENT POWER: 85-135Vac, 50-70Hz

OUTPUTS

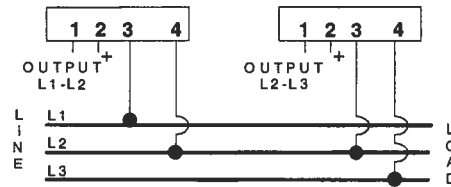
OUTPUT RIPPLE: Less than 1.0% F.S.
 RESPONSE: 400 milliseconds
 OUTPUT LOADING (OHMS): 0-1mA: 0-10K
 4-20mA ("E"): 0-500
 4-20mA ("E2"): 0-1400
 FIELD ADJUSTABLE CAL.: ± 10%

ACCURACY Includes effects of linearity. ± 0.5% F.S.
 TEMPERATURE EFFECT (-20°C to 60°C): ± 1.0% RDG

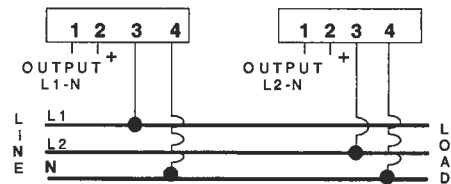
CONNECTION DIAGRAMS & CASE DIMENSIONS



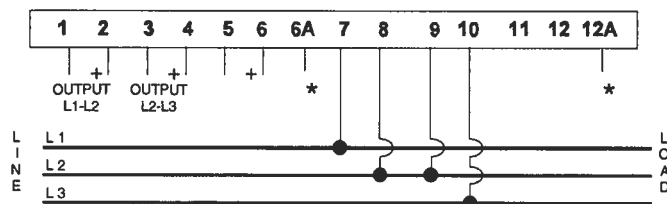
3 PHASE 3 WIRE OPTION "A" OR "E2"



1 PHASE 3 WIRE OPTION "A" OR "E2"

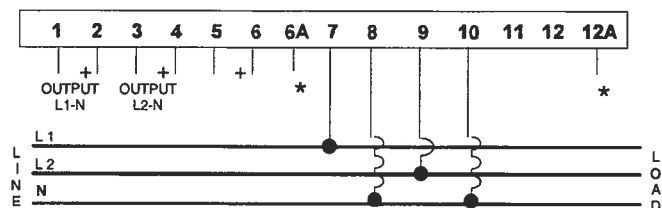


3 PHASE 3 WIRE OPTION E



* AC Instrument power on terminals 6A, 12A.

1 PHASE 3 WIRE OPTION "E"



* AC Instrument power on terminals 6A, 12A.