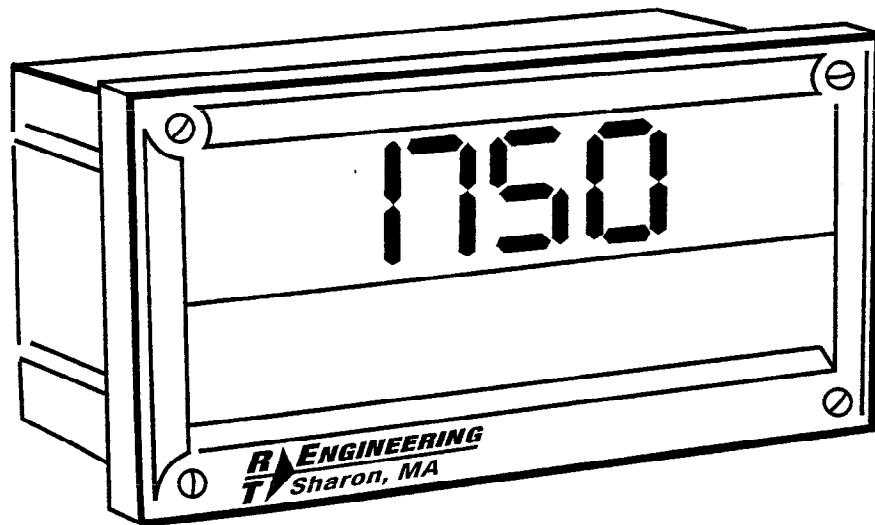


Universatile™

DIGITAL PANEL METERS



INSTALLATION, WIRING & CALIBRATION

FOR THE

DIN2-35AC

PANEL METERS

R ENGINEERING
T SERVICE, LLC



1 Merchant Street, Sharon, MA 02067

(781) 784-0700

(800) 343-1182

Fax (781) 784-3296

E-Mail: rte@rteng.com

DIN2-35AC

Specifications

- Accepts and averages 200 mV through 200 VAC sine wave input yielding display of .200 through 1999. Extended signal input ranges available.
- Maximum signal protection: 600 VAC
- Input impedance: voltage range: 1 megohm
- Scaling method: 20 turn pot
- Display: 3 1/2 digits, 0.56" high, 7 segment red LED's. Selectable decimal point locations (1.8.8.8)
- Over-range indication: "1" in most significant position. Rest of display blank
- Reading rate: 2.5 readings/sec., nominal
- Linear accuracy: 0.5% of reading +/-5 digit typical
- Maximum common mode voltage: 850VDC/850 VAC peak
- Common mode rejection: >-110 dB @50-60 Hz
- Normal mode rejection: >-60 dB
- Power: 115 VAC +/-10%, 50/60 Hz, 6 VA (230 VAC optional)
- Operating temperature range: 0-60°C
- Environmental integrity: NEMA 4X
- Construction: bezel: high impact Lexan™ case: aluminum extruded
- Weight: 8 ounces

WARNING: Prior to moving any jumpers, remove power from the meter and any signal generating devices connected to the meter. Use caution not to short internal circuits while turning potentiometers with power on. Use only insulated tools for all adjustments. Remove power from the meter and any signal generating devices connected to the meter while reinstalling the bezel after set-up. Failure to observe these precautions may result in damage to equipment, and/or serious personal injury.



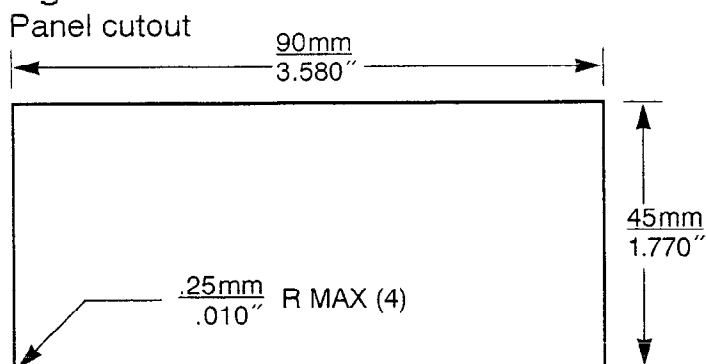
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Mechanical Installation

1. Cut out panel per Figure A.
2. Remove bezel and gasket from meter.
3. Remove sliding brackets from side of meter.
4. Insert meter through front of panel.
5. Re-install sliding brackets. Tighten screws (only one screw per side necessary) until brackets hold meter firmly in panel.
6. When bezel is re-installed after calibration, be careful not to over-tighten screws.

Figure A



Electrical Installation

1. Wire per Figure B.
2. For more specific wiring examples, see Common Hook-Ups on page 3.

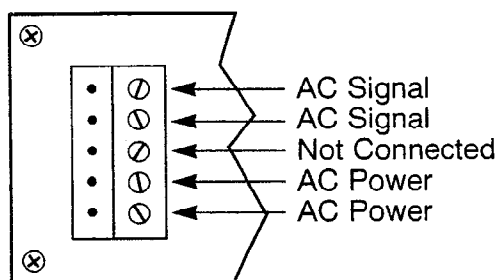


Figure B
Rear of meter

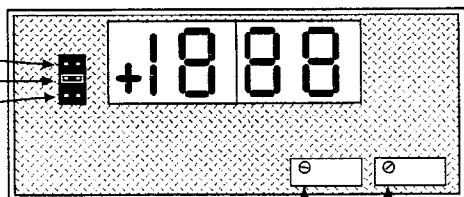
Calibration

Please read "WARNING" thoroughly before continuing:

1. Apply power to meter, then allow 10 minutes for warm-up before proceeding.
2. With signal at minimum set meter to read "0000" using zero pot. See Figure C-I.
3. With signal input at maximum, use the gain pot to set the meter to desired reading. See Figure C-II.
4. Set decimal point position with jumper as desired. See Figure C-III.

III. Decimal point jumper:

1.888
18.88
188.8



I. Zero pot II. Gain pot

Figure C

Front of meter with bezel removed

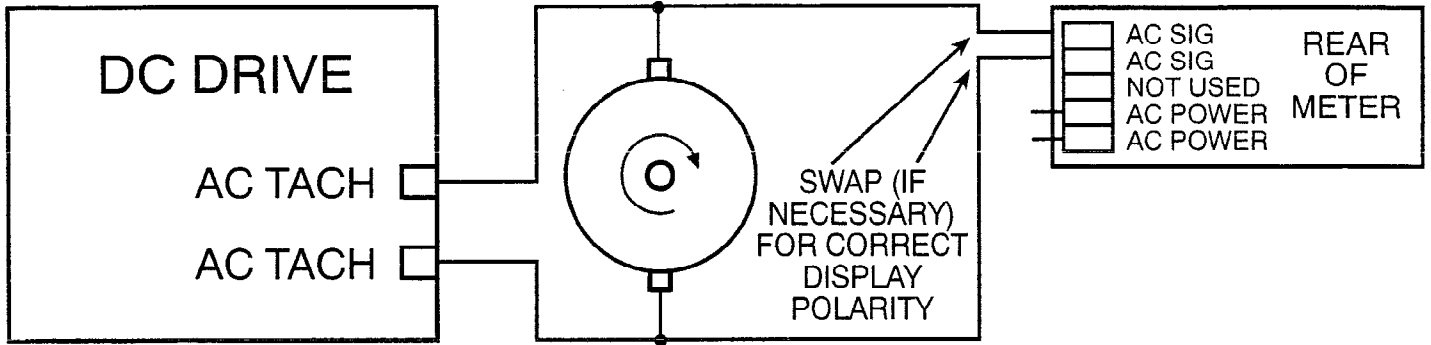


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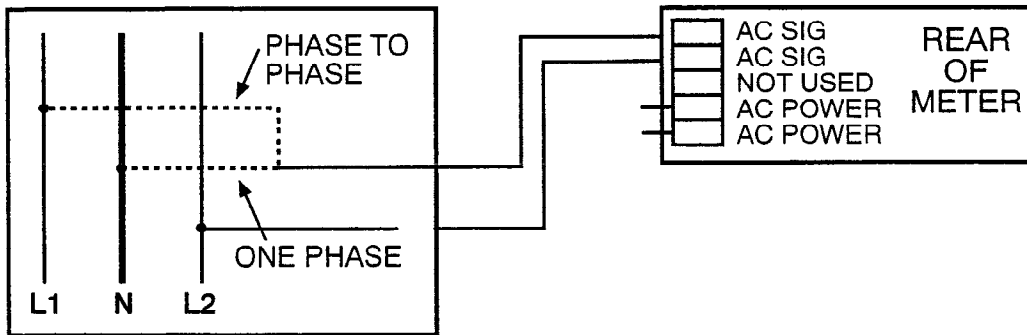
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Common Hook-Ups

MOTOR SPEED



VOLTAGE MONITOR



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