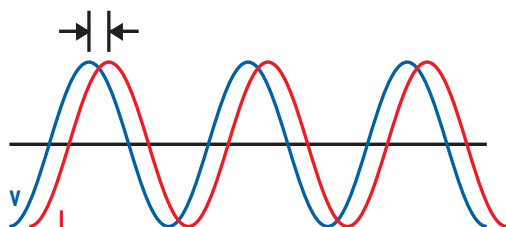


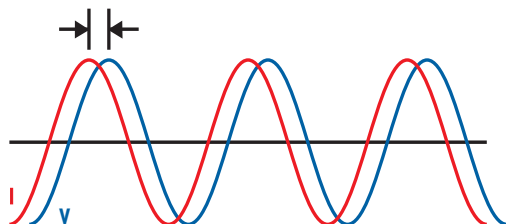
DIN RAIL / PANEL MOUNT, AVERAGE SENSING



Single Element
0 - 5 VDC, 0 - 10 VDC,
4 - 20 mADC Outputs



INDUCTIVE - CURRENT LAGGING VOLTAGE



CAPACITIVE - CURRENT LEADING VOLTAGE

The **CR6300** Series, Power Factor Transducers, are designed to sense the Phase Angle difference between AC Current and Voltage signals.

Applications

Motor Loading
Correct Power Factor
Measure Timing

Features

Bandwidth is 5 KHz
Up to 500V Input on Voltage
Up to 25A Input on Current
Extend Ranges with External CT's & PT's
Measure -90 to +90 Phase Difference
Available with 0-5 VDC, 0-10 VDC or 4-20 mADC Outputs
35mm DIN Rail or Panel Mount

Regulatory Agencies

Constructed to meet UL 61010B-1
Constructed to meet CAN/CSA-C22.2, No. 61010-1-2004
Meets requirement of IEC 61010-1 and BS EN 61010-1



Custom units can measure the phase angle difference between two AC Voltages or two AC currents are available. Contact factory for details.

PART NUMBERS

CR6310	-		-		Single Element with 0 - 5 VDC Output
CR6311	-		-		Single Element with 0 - 10 VDC Output
CR6320	-		-		Single Element with 4 - 20 mADC Output

Add suffix for input range

110 - 0-110 VAC
220 - 0-220 VAC
500 - 0-500 VAC *
Ranges available up to and including 600 VAC

25 | 0-25 AAC

Use a 5 amp CT to extend the range of this product line

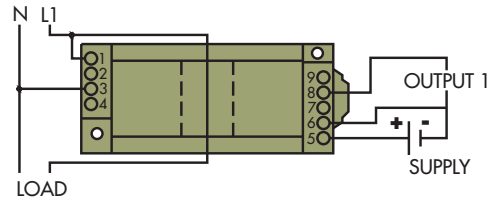
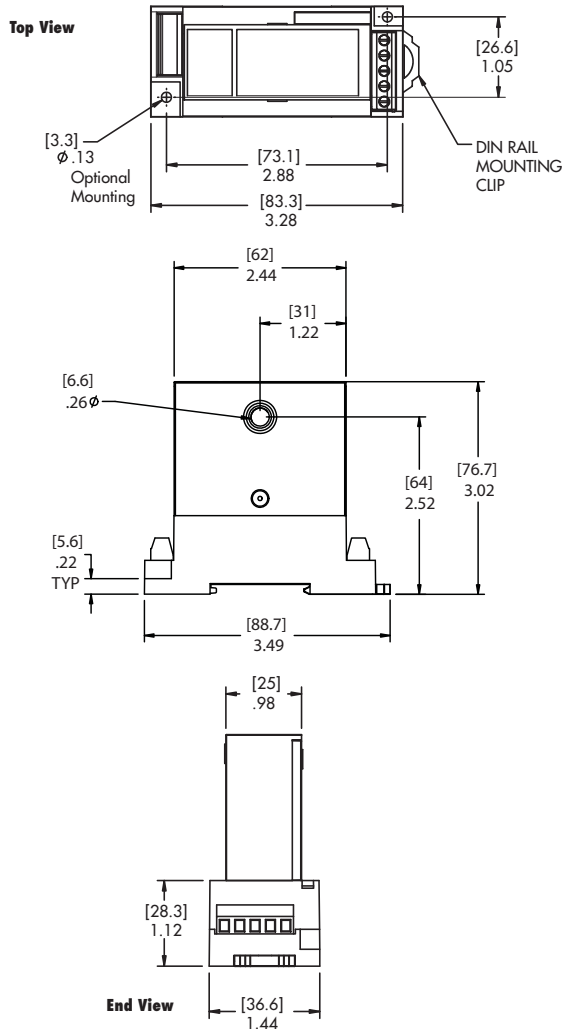
Power Factor Transducer

DIN RAIL / PANEL MOUNT, AVERAGE SENSING

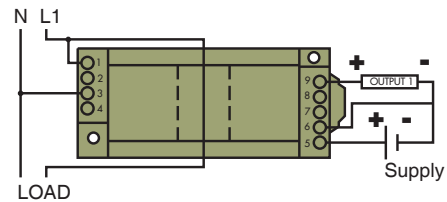
SPECIFICATIONS

Basic Accuracy:..... 0.5%
 Linearity:..... 10% to 100% FS
 Thermal Drift:..... 500 PPM/°C
 Operating Temperature:..... 0°C to +60°C
 Installation Category:..... CAT II
 Vibration Tested To:..... IEC 60068-2-6,1995
 Pollution Degree:..... 2
 Response Time: 250 ms max. 0-90% FS
 Supply Voltage:..... 12 to 24 VDC
 MTBF:..... Greater than 100 K hours
 Frequency Range:..... 50 Hz - 400 Hz, sine wave

Insulation Voltage:..... 2500 VDC
 Altitude:..... 2000 meter max.
 Output Load:..... 4-20 mADC -0 to 300 Ω
 0-5 VDC - 2K Ω or Greater
 Cleaning:..... Water-dampened cloth
 Relative Humidity:... 5% to 95%, Non-Condensing
 Torque Specs:..... 3.0 inch lbs. (0.4Nm)
 Weight:..... 0.5 lbs.



CR6310 0 - 5 VDC Output
CR6311 0 - 10 VDC Output



CR6320 4 - 20 mADC Output

CONNECTION DIAGRAM

OUTLINE DRAWING

NOTE: The building installation must have a switch or circuit-breaker that is in close proximity and within easy reach of the operator. The switch or circuit breaker shall be marked as the disconnecting device for the equipment.