

Self Powered AC Current Transducer

DIN RAIL / PANEL MOUNT, AVERAGE RMS



Single Element - .79" Window
2 to 200 AAC Input Range



Single Element - 1.22" Window
2 to 200 AAC Input Range

The **CR4210** and **CR4211** Series Current Transducers are self powered. These transducers are calibrated to provide a 0-5 VDC and 0-10 VDC signal that is proportional to the average RMS input AC current. Designed for multi-point current sensing, these devices provide excellent features in a high value package.

Applications

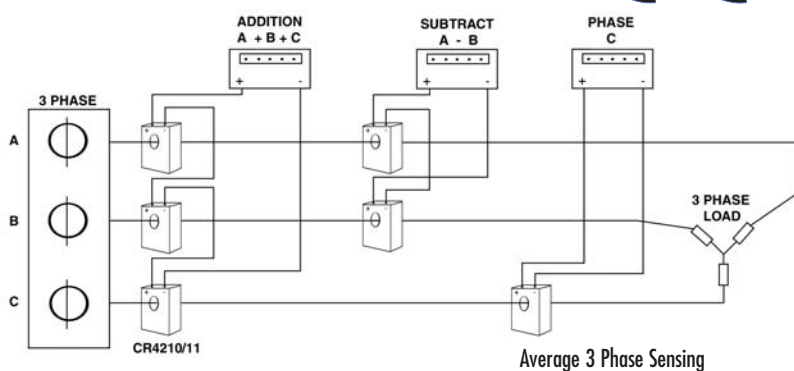
Phase fired controlled heaters
Quickly varying motor loads
Chopped wave form drivers
Harmonic currents

Features

35mm DIN Rail or Panel Mount
Available with 0 - 5 VDC or 0-10 VDC outputs
Self powered, requires no external power source
Use with external current transformers
Low cost
Connection diagram printed on case

Regulatory Agencies

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



All single phase current transducers are available in split core design. Simply put an "S" at the end of the prefix*

I.E. CR4210S-10

* Not UL Recognized

PART NUMBERS

CR4210(S)	-	Single element with 0 - 5 VDC output (split core design)
CR4211(S)	-	Single element with 0 - 10 VDC output (split core design)*

*CR4210S and CR4211S only available in ranges 20 amps and above

Add suffix for input range

2	-	0-2 AAC
5	-	0-5 AAC
10	-	0-10 AAC
20	-	0-20 AAC
50	-	0-50 AAC
70	-	0-70 AAC
100	-	0-100 AAC
150	-	0-150 AAC
200	-	0-200 AAC

Ranges available up to and including
600 AAC



CR Magnetics, Inc. 3500 Scarlet Oak Blvd. St. Louis MO USA 63122 V: 636-343-8518 F: 636-343-5119

Web: <http://www.crmagnetics.com>

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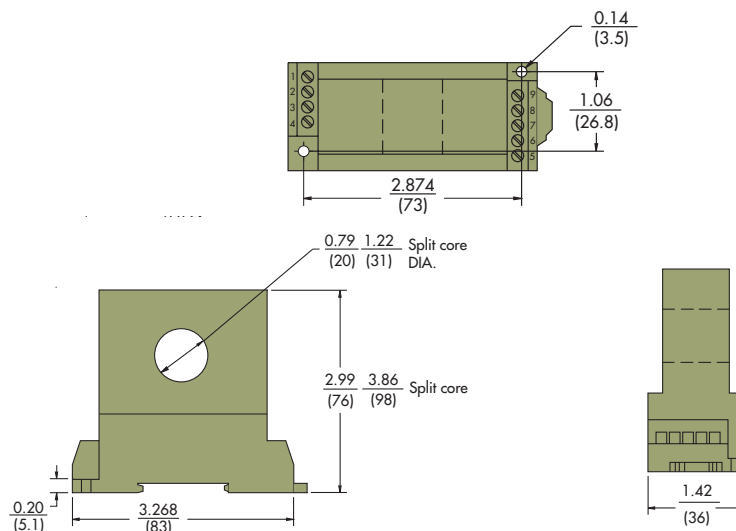
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SPECIFICATIONS

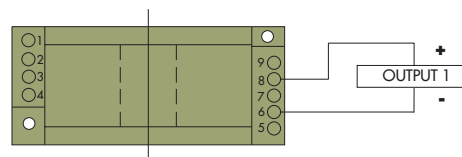
Basic Accuracy:.....	0.5%	Cleaning:.....	Water-dampened cloth
Thermal Drift:.....	500 PPM/°C	Output Load:.....	1M Ω or Greater
Operating Temperature:.....	0°C to +60°C	Greater Response Time:.....	250 ms max., 0-90%FS
Installation Category:.....	CAT II	Relative Humidity:.....	80% for temperatures up to 31°C and decreasing linearly to 50% at 40°C
Pollution Degree:.....	2	Supply Power:.....	Self powered (output voltage is obtained from current-sensing conductor)
Insulation Voltage:.....	2500 VDC	Torque Specs.:.....	3.0 inch lbs. (0.4Nm)
Altitude:.....	2000 meter max.	Weight:.....	0.5 lbs.
Frequency Range:.....	50Hz - 400Hz		
Calibration:.....	Average Sensing, RMS Calibrated		
MTBF:.....	Greater than 100 K hours		

OUTLINE DRAWING



1 hole: 0.79(20) Dia. for CR4210 & 4211 (shown)

CONNECTION DIAGRAM



CR4210 Single Element 0 - 5 VDC Output

CR4211 Single Element 0 - 10 VDC Output

Request CR Magnetics Low & Medium Voltage Current Transformers Catalog.

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.



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