



# Self Powered AC Current Transducer

DIN RAIL / PANEL MOUNT, AVERAGE SENSING

PRELIMINARY

The **CR4210 and CR4211** Current Transducers are self powered. These transducers are calibrated to provide a 0-5 VDC and 0-10VDC 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

- Multi-point current sensing and control panels
- Monitor motor faults
- Monitor heating elements
- Monitor lighting elements

## Features

- Relatively low cost
- DIN rail or panel mount
- Interfaces with most commercially available instrumentation
- Connection diagram printed on case



**CR4210 and CR4211**  
One Element

Internet Resources <http://www.crmagnetics.com/>

## Part Numbers

**CR4210** - ☐ Single element with 0-5 VDC output  
**CR4211** - ☐ Single element with 0-10 VDC output

\* CR4211 is available only in ranges above 10Amps

☐ Add suffix for input range

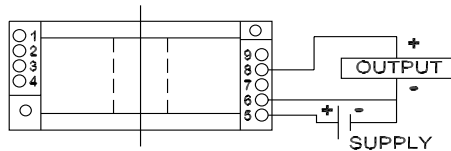
<b>2</b>	-	0-2 AAC
<b>5</b>	-	0-5 AAC
<b>10</b>	-	0-10 AAC
<b>20</b>	-	0-20 AAC
<b>50</b>	-	0-50 AAC
<b>70</b>	-	0-70 AAC
<b>100</b>	-	0-100 AAC
<b>150</b>	-	0-150 AAC
<b>200</b>	-	0-200 AAC

other ranges available

## Specifications

Basic Accuracy:.....	1.0%	Insulation Voltage:.....	2500 VDC
Thermal Drift:.....	500 PPM/°C	Power Source:.....	Self Powered
Operating Temperature:.....	0°C to +60°C	Frequency Range:.....	20-100Hz
Installation Catagory:.....	CAT II	Output Load:.....	1MΩ or greater
Polution Degree:.....	2		
Response Time:.....	250 ms		
MTBF:.....	Greater than 100 K hours		
Altitude:.....	2000 meter max.	Cleaning:.....	Water-dampened cloth
Calibration:.....	Average Sensing, RMS Calibrated	Relative Humidity:.....	80% for temperatures up to 31°C and decreasing linearly to 50% at 40°C

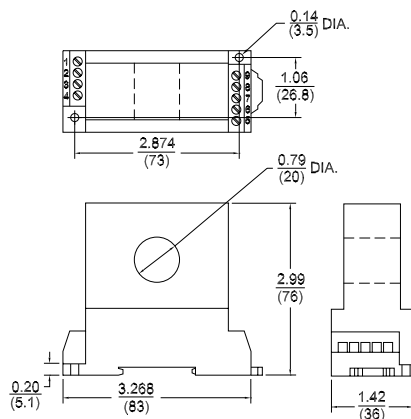
## Connection Drawing

**CR4210 and CR4211**

1 Element - 0-5 or 0-10 VDC Output

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 breker shall be marked as the disconnecting device for the equipment.

## Outline Drawing



One Element