Self Powered AC Current Tranducer

DIN RAIL / PANEL MOUNT, AVERAGE SENSING

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.

CR4210 and CR4211
One Element

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

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 availble only in ranges above 10Amps

❑ 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

other ranges available

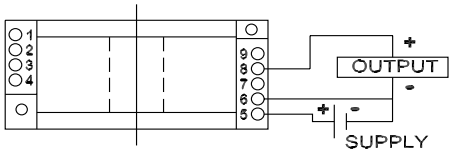
Specifications

Basic Accuracy:..... 1.0%
Thermal Drift:..... 500 PPM/°C
Operating Temperature:..... 0°C to +60°C
Installation Catagory:..... CAT II
Polution Degree:..... 2
Response Time:..... 250 ms
MTBF:..... Greater than 100 K hours
Altitude:..... 2000 meter max.
Calibration:..... Average Sensing, RMS Calibrated

Insulation Voltage:..... 2500 VDC
Power Source:..... Self Powered
Frequency Range:..... 20-100Hz
Output Load:..... 1MΩ or greater

Cleaning:..... Water-dampened cloth
Relative Humidity:..... 80% for temperatures up to 31°C and decreasing linearly to 50% at 40°C

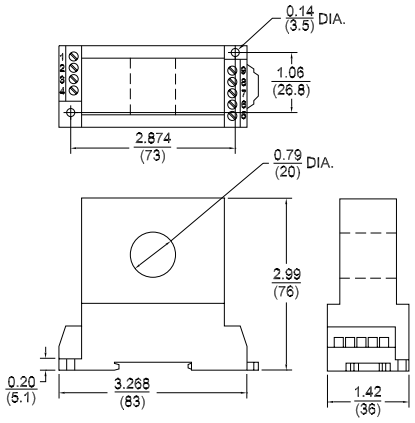
Connection Drawing



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