

# Loop-Powered AC Current Transmitter

## DIN RAIL / PANEL MOUNT, AVERAGE RMS



CR4220

Single Element - .79" Window  
0.5 to 50 AAC Input Range



CR4260

Two Element - .26" Window  
0.5 to 30 AAC Input Range

The **CR4200** Series, Current Transmitters produce a calibrated 4-20 mADC signal that is proportional to the average RMS input AC current. Designed for multi-point current sensing, these devices provide excellent features in a value package. The output signal is generated from a user supplied 24 VDC power supply within the output current loop.

### Applications

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

### Features

- Relatively low cost
- 35mm DIN rail or panel mount
- High Accuracy
- Easy wiring
- Interfaces with most commercially available instrumentation
- Connection diagram printed on case

### Regulatory Agencies

- Recognized 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

C  
Transducers

CR Magnetics has a wide selection of current transformers to extend the range of any part. Contact factory for more information.



**E199795**



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

I.E. CR4220S-10

\* **Not UL Recognized**

PART NUMBERS			
CR4220(S)	-		Single element with 4 - 20 mADC output (split core design)
CR4260	-		Two element with 4 - 20 mADC output*
*Two element transducers are only available in ranges of 0.5 to 30 AAC			

Add suffix for input range

- 5** - 0- 5 AAC
- 10** - 0-10 AAC
- 15** - 0-15 AAC
- 20** - 0-20 AAC
- 25** - 0-25 AAC
- 30** - 0-30 AAC
- 40** - 0-40 AAC
- 50** - 0-50 AAC

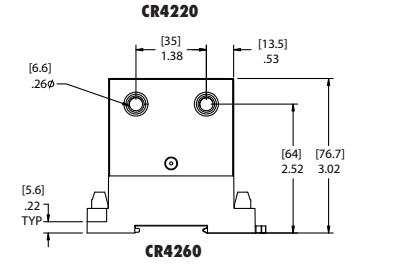
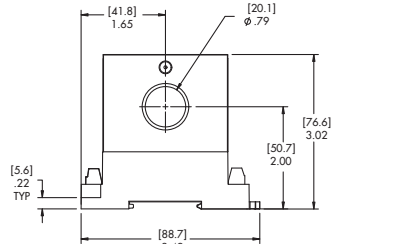
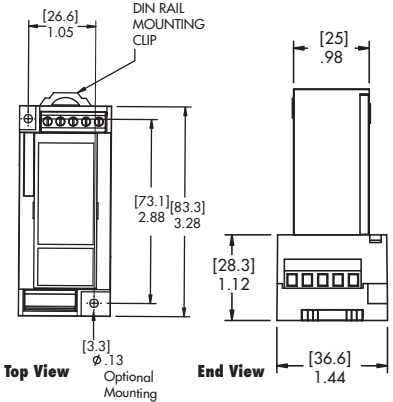
Ranges available up to and including 600 AAC

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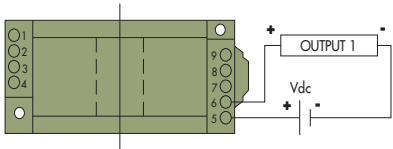
DIN RAIL / PANEL MOUNT, AVERAGE RMS

## SPECIFICATIONS

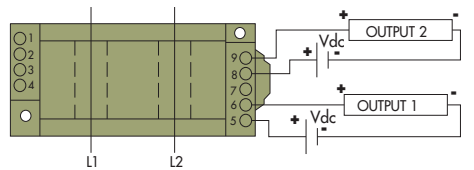
Basic Accuracy:.....	0.5%	MTBF:.....	Greater than 100 K
Linearity:.....	10% to 100% FS	HoursCleaning:.....	Water-dampened cloth
Thermal Drift:.....	500 PPM/°C	Output Load:.....	0 to 300 Ω
Operating Temperature:.....	0°C to +60°C	Response Time:.....	250 ms max., 0-90%FS
Installation Category:.....	CAT II	Relative Humidity:.....	5% to 95%, Non-Condensing
Vibration Tested To:.....	IEC 60068-2-6, 1995	Supply Power:.....	Loop Voltage 24 Vdc
Pollution Degree:.....	2	Compliance Voltage:.....	16 to 28 Vdc
Insulation Voltage:.....	2500 VDC	Torque Specs:.....	3.0 inch lbs. (0.4Nm)
Altitude:.....	2000 meter max.	Weight:.....	0.5 lbs.
Frequency Range:.....	50Hz - 400 Hz		
Calibration:.....	Average Sensing, RMS Calibrated		



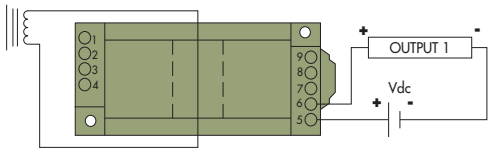
## OUTLINE DRAWING



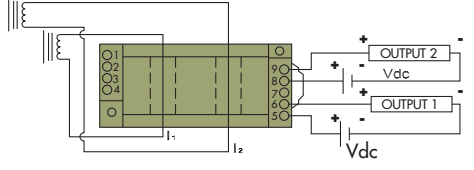
**CR4220**  
One Element - 4 - 20 mADC Output



**CR4260**  
Two Element 4 - 20 mADC Output



**CR4220**  
One Element with external  
current transformer \*



**CR4260**  
Two Element with external  
current transformer \*

\*Request CR Magnetics Low & Medium Voltage Current Transformers Catalog.

## CONNECTION DIAGRAM

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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Transducers