DIN RAIL / PANEL MOUNT, AVERAGE RMS

Single Element - .79" Window
0.5 to 600 AAC Input Range

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

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

The **CR4400** Series, Current Transducers and Transmitters are designed to produce a DC output 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 .

Applications

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

Features

Low cost
DIN rail or panel mount
Available with 0-5 VDC, 0-10VDC or 4-20 mADC output
High Accuracy
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

CE RoHS 2002/95/EC c UL us

E199795

Use a 5 Amp Secondary Current Transformer to extend the ranges of all CR Magnetics Current Transducers

All single phase current transducers are available in split core design. Simply put an "S" at the end of the prefix*
I.E. CR4410S-10
* **Not UL Recognized**

PART NUMBERS			
CR4410(S)	-		Single element with 0 - 5 VDC output (split core design)
CR4411(S)	-		Single element with 0 - 10 VDC output (split core design)*
CR4420(S)	-		Single element with 4 - 20 mADC output (split core design)
CR4450	-		Two element with 0 - 5 VDC output *
CR4460	-		Two element with 4 to 20 mADC output *
CR4470	-		Three element with 0 - 5 VDC output *
CR4480	-		Three element with 4 - 20 mADC output *
Two and three element transducers are available only 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
75	-	0-75 AAC
100	-	0-100 AAC
150	-	0-150 AAC

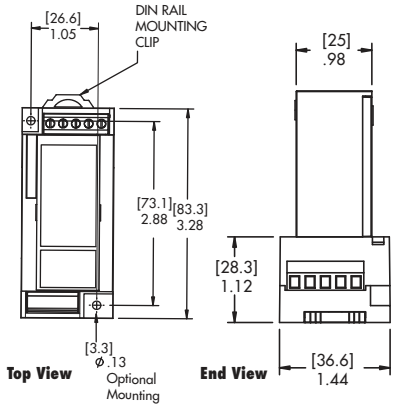
Ranges available up to and including 600 AAC

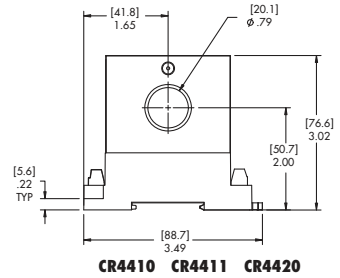
DIN RAIL / PANEL MOUNT, AVERAGE RMS

SPECIFICATIONS

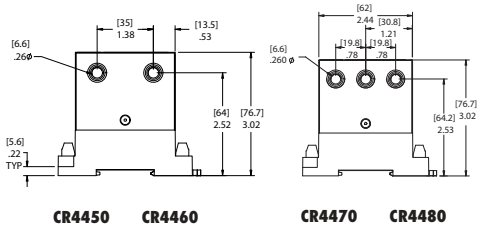
Basic Accuracy:	0.5%
Linearity:	10% to 100% FS
Thermal Drift:	500 PPM/°C
Operating Temperature:	0°C to +60°C
Installation Category:	CAT II
Vibration Tested To:	IEC 60068-2-6,1995
Pollution Degree:	2
Response Time:	250 ms max., 0-90% FS
MTBF:	Greater than 100 K hours
Altitude:	2000 meter max.
Calibration:	Average Sensing, RMS Calibrated
Insulation Voltage:	2500 VDC
Power Source:	24 VDC
Frequency Range:	50Hz - 400Hz
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	
Supply Voltage:	24 VDC ±10%	
Supply Current:		
CR4410/11	Typical 20mA	Max 40mA
CR4420	Typical 25mA	Max 45mA
CR4450	Typical 20mA	Max 75mA
CR4460	Typical 40mA	Max 90mA
CR4470	Typical 25mA	Max 110mA
CR4480	Typical 55mA	Max 120mA
CR4410S	Typical ---mA	Max -----mA
CR4420S	Typical ---mA	Max -----mA
Torque Specs.:	3.0 inch lbs. (0.4Nm)	
Weight:	0.5 lbs.	

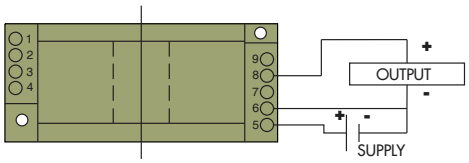




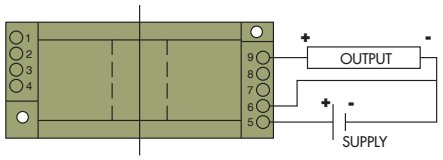
CR4410 CR4411 CR4420



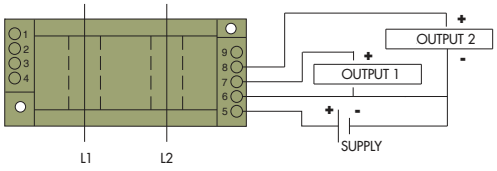
CR4450 CR4460 CR4470 CR4480



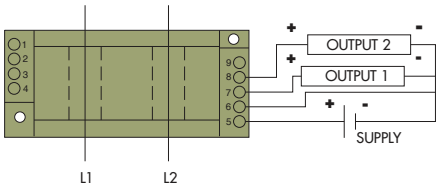
CR4410 One Element 0 - 5 VDC Output
CR4411 One Element 0 - 10 VDC Output



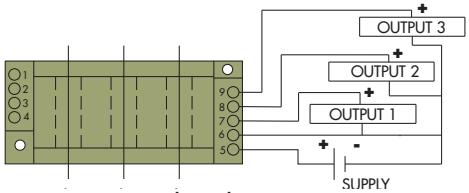
CR4420 One Element 4 - 20 mADC Output



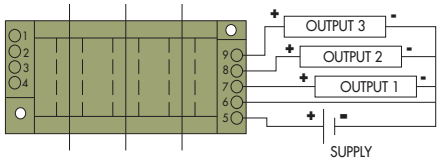
CR4450 Two Element 0 - 5 VDC Output



CR4460 Two Element 4 - 20 mADC Output



CR4470 Three Element 0 - 5 VDC Output



CR4480 Three Element 4 - 20 mADC Output

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

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.