DIN RAIL / PANEL MOUNT, AVERAGE RMS

Single Element - .79" Window
0.5 to 150 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 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 high 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
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 UL 61010B-1
Recognized to 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
* CR4411 Series not UL Recognized

Add suffix for input range

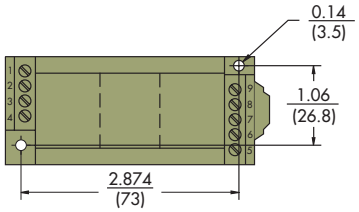
5	-	0-5 AAC
10	-	0-10 AAC
15	-	0-15 AAC
20	-	0-20 AAC
25	-	0-25 AAC
30	-	0-30 AAC
40	-	0-40 AAC
50	-	0-50 AAC
75	-	0-75 AAC
100	-	0-100 AAC
150	-	0-150 AAC

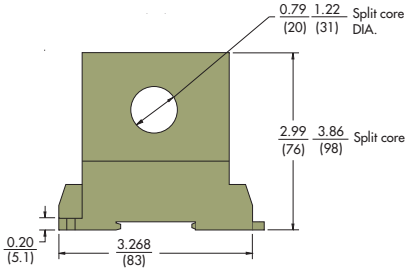
Ranges available up to and including 600 AAC

DIN RAIL / PANEL MOUNT, AVERAGE RMS

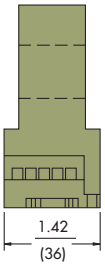
SPECIFICATIONS

Basic Accuracy:	0.5%	Relative Humidity:	80% for temperatures up to 31°C and decreasing linearly to 50% at 40°C
Thermal Drift:	500 PPM/°C		
Operating Temperature:	0°C to +60°C		
Installation Category:	CAT II	Supply Voltage:	24 VDC ±10%
Pollution Degree:	2	Supply Current:	
Response Time:	250 ms max., 0-90% FS	CR4410/11	Typical 20mA Max 40mA
MTBF:	Greater than 100 K hours	CR4420	Typical 25mA Max 45mA
Altitude:	2000 meter max.	CR4450	Typical 20mA Max 75mA
Calibration:	Average Sensing, RMS Calibrated	CR4460	Typical 40mA Max 90mA
Insulation Voltage:	2500 VDC	CR4470	Typical 25mA Max 110mA
Power Source:	24 VDC	CR4480	Typical 55mA Max 120mA
Frequency Range:	50Hz - 400Hz	CR4410S	Typical ---mA Max -----mA
Output Load:	2K Ω or greater	CR4420S	Typical ---mA Max -----mA
Cleaning:	Water-dampened cloth	Torque Specs.:	3.0 inch lbs. (0.4Nm)
		Weight:	0.5 lbs.

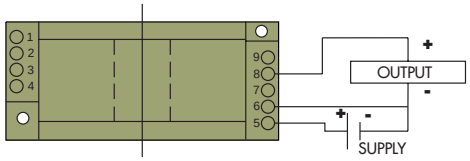




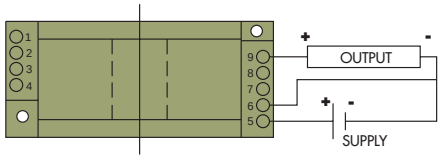
1 hole: 0.79(20) Dia. for CR4410 & 4420 (shown)
2 holes: 0.26(6.5) Dia. for CR4450 & 4460
3 holes: 0.26(6.5) Dia. for CR4470 & 4480



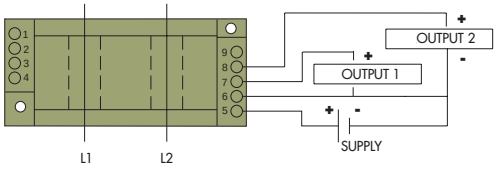
OUTLINE DRAWING



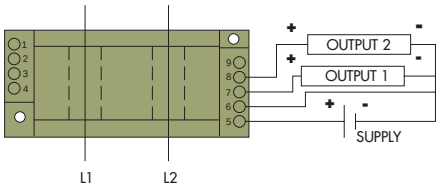
CR4410 One Element 0 - 5 VDC Output
CR4411 One Element 0 - 10 VDC Output



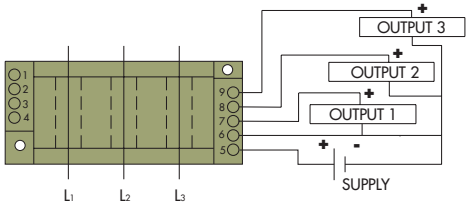
CR4420 One Element 4 - 20 mADC Output



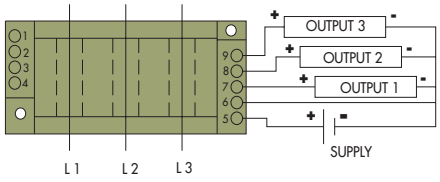
CR4450 Two Element 0 - 5 VDC Output



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

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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