DIN RAIL / PANEL MOUNT, TRUE RMS



Single Element - 0.79" Window 0.5 to 150 AAC Input Range



Two Element - 0 .26" Window 0.5 to 30 AAC Input Range



Three Element - 0.26" Window 0.5 to 30 AAC Input Range

The **CR4100** Series True RMS Current Transducers and Transmitters are designed for applications where AC current waveforms are not purely sinusoidal. More precise and accurate than other transducers, these devices are ideal in chopped wave and phase fired control systems.

Applications

Phase fired controlled heaters Quickly varying motor loads Chopped wave form drivers Harmonic currents

Features

35mm DIN Rail or Panel Mount Available with 0-5 VDC, 0-10 VDC, 4-20 mADC output 24 VDC powered Use with external current transformers Highest precision available

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







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. CR4110S-10 * Not UL Recognized

Add suffix for input range

0-5 AAC **
0-10 AAC **

PART NUMBERS					
CR4110(S)			Single element with 0 - 5 VDC output (split core design)		
CR4111(S)	-		Single element with 0 - 10 VDC output (split core design)		
CR4120(S)	-		Single element with 4 - 20 mADC output (split core design)		
CR4150	-		Two element with 0 - 5 VDC output **		
CR4160	-		Two element with 4 to 20 mADC output **		
CR4170	-		Three element with 0 - 5 VDC output **		
CR4180	-		Three element with 4 - 20 mADC output **		
*Two and three element transducers are available only in ranges of 0.5 to 30 AAC					

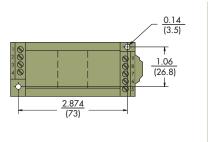
15	-	0-15 AAC *
20	-	0-20 AAC 3
25	-	0-25 AAC *
30	•	0-30 AAC *
40	-	0-40 AAC
50	-	0-50 AAC
75	-	0-75 AAC
100	-	0-100 AAC
150	-	0-150 AAC

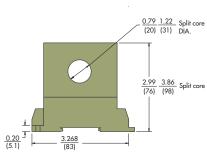
Ranges available up to and including 600 AAC

iSweek www.isweek.com

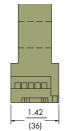
True RMS AC Current Transducer

SPECIFICATIONS

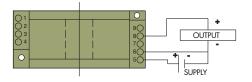




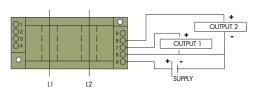
1 hole: 0.79(20) Dia. for CR4110, CR4111& 4120 (shown) 2 holes: 0.26(6.5) Dia. for CR4150 & 4160 3 holes: 0.26(6.5) Dia. for CR4170 & 4180



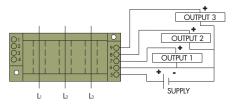
OUTLINE DRAWING



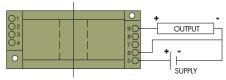
CR4110 One Element 0 - 5 VDC Output
CR4111 One Element 0 - 10 VDC Output



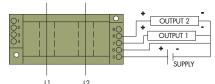
CR4150 Two Element 0 - 5 VDC Output



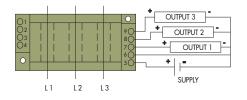
CR4170 Three Element 0 - 5 VDC Output



CR4120 One Element 4 - 20 mADC Output



CR4160 Two Element 4 - 20 mADC Output



CR4180 Three Element 4 - 20 mADC Output

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.