



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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AC/DC Hall Effect Current Transducer

DIN RAIL / PANEL MOUNT, TRACING OUTPUT



Single Element - .79" Window
20 TO 300 AAC/DC Input Range

The **CR5400** Series, AC/DC Hall Effect Current Transducers, are designed to provide a bipolar output that proportionally reflects (traces) the waveform of the input current. These devices are specifically targeted to be used in applications where multi-mode current sensing is required.

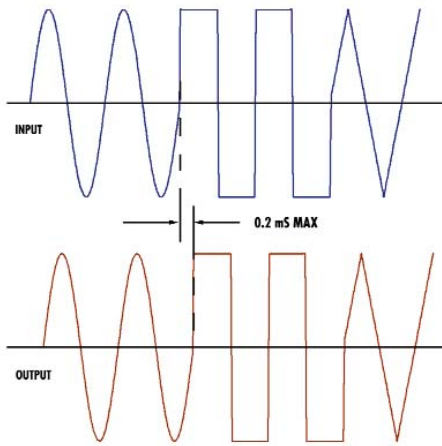
Applications

Inverter and multi-frequency drives
Multi-mode ground paths carrying both AC and DC signals
Feed back loop building block

Features

Output isolated from input
Non-contact current sensing
35mm DIN Rail or Panel Mount
Connection diagram printed on case

Regulatory Agencies



TYPICAL TRACKING FUNCTION



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

PART NUMBERS			
CR5410(S)	-		Single Element with ± 5 VDC output (split core design)
CR5411(S)	-		Single Element with ± 10 VDC output (split core design)

NOTE: AC/DC Split Core Transducers Available in 20 Amps and Higher

□ Add suffix for input range

- 20** - ± 20 AAC/ADC
- 30** - ± 30 AAC/ADC
- 50** - ± 50 AAC/ADC
- 75** - ± 75 AAC/ADC
- 100** - ± 100 AAC/ADC
- 150** - ± 150 AAC/ADC
- 300** - ± 300 AAC/ADC

Ranges available up to and including 600 AAC/ADC



Another HUNTINGTON ELECTRIC Company

CR Magnetics, Inc. 3500 Scarlet Oak Blvd. St. Louis MO USA 63122 V: 636-343-8518 F: 636-343-5119

Web: <http://www.crmagnetics.com>

E-mail: sales@crmagnetics.com

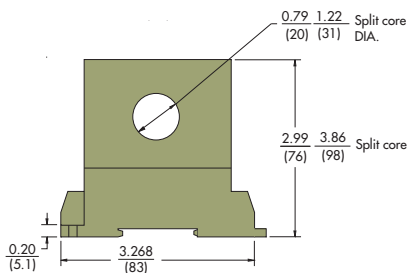
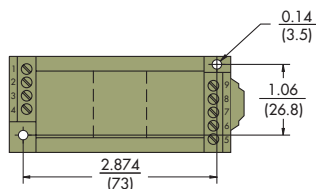
C
Transducers

AC/DC Hall Effect Current Transducer

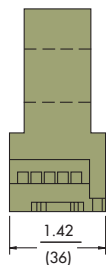
DIN RAIL / PANEL MOUNT, TRACING OUTPUT

SPECIFICATIONS

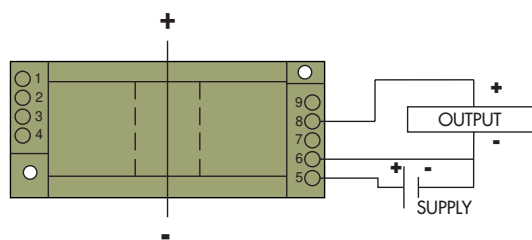
Basic Accuracy:.....	1.0%	Output:.....	$\pm 5\text{VDC}$ or $\pm 10\text{VDC}$
Thermal Drift:.....	500 PPM/ $^{\circ}\text{C}$	Output Load:.....	2 K Ω or greater
Operating Temperature:.....	0 $^{\circ}\text{C}$ to +50 $^{\circ}\text{C}$	Supply Current:	
Insulation Voltage:.....	2500 VDC	CR5410:.....	Typical 35mA Max 40mA
MTBF:.....	Greater than 100 K hours	CR5410S	Typical 30mA Max 35mA
Supply Voltage:.....	24 VDC $\pm 10\%$	Torque Specs.:.....	3.0 inch lbs. (0.4Nm)
Frequency Range:.....	DC - 4 KHz	Weight:.....	0.5 lbs.



1 hole: 0.79(20) Dia. for CR5410 (shown)



OUTLINE DRAWING



CR5410
 $\pm 5\text{ VDC}$ Output
CR5411
 $\pm 10\text{ VDC}$ Output

CONNECTION DIAGRAM



Power Supply

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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C Transducers