

# 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.

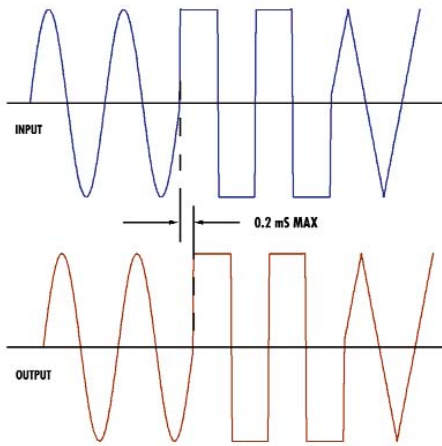
### Applications

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 $\pm 5$ VDC output (split core design)
CR5411(S)	-		Single Element with $\pm 10$ VDC output (split core design)

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

□ Add suffix for input range

- 20** -  $\pm 20$  AAC/ADC
- 30** -  $\pm 30$  AAC/ADC
- 50** -  $\pm 50$  AAC/ADC
- 75** -  $\pm 75$  AAC/ADC
- 100** -  $\pm 100$  AAC/ADC
- 150** -  $\pm 150$  AAC/ADC
- 300** -  $\pm 300$  AAC/ADC

Ranges available up to and including 600 AAC/ADC



Another HUNTINGTON ELECTRIC Company

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C  
Transducers

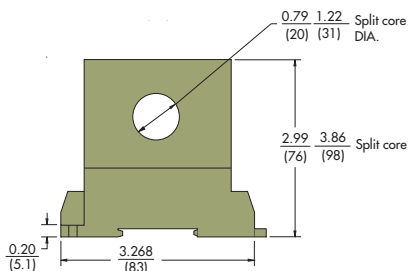
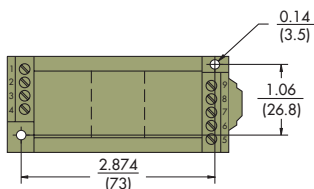
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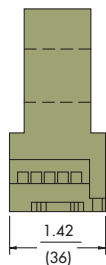
## SPECIFICATIONS

Basic Accuracy:..... 1.0%  
 Thermal Drift:..... 500 PPM/°C  
 Operating Temperature:..... 0°C to +50°C  
 Insulation Voltage:..... 2500 VDC  
 MTBF:..... Greater than 100 K hours  
 Supply Voltage:..... 24 VDC ±10%  
 Frequency Range:..... DC - 4 KHz

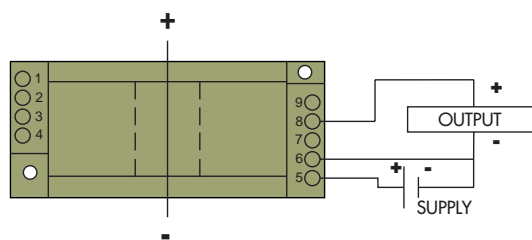
Output:..... ±5VDC or ±10VDC  
 Output Load:..... 2 K Ω or greater  
 Supply Current:  
 CR5410:..... Typical 35mA Max 40mA  
 CR5410S Typical 30mA Max 35mA  
 Torque Specs.:..... 3.0 inch lbs. (0.4Nm)  
 Weight:..... 0.5 lbs.



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



## OUTLINE DRAWING



**CR5410**  
 ±5 VDC Output  
**CR5411**  
 ±10 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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