DIN RAIL / PANEL MOUNT, RMS

Single Element - .79" Window
2 to 300 ADC Input Range

Single Element - 1.2" Window
20 to 300 ADC Input Range

The **CR5200** Series, DC Current Transducers are designed to provide a DC signal which is proportional to a DC sensed current. These devices are designed for direct current only, targeting them towards general and daily applications. The ranges 2 to 10 Amp utilize an advanced Magnetic Modulator technology and the ranges 20 amps and above utilize Hall Effect technology.

Applications

Battery chargers and systems
DC motor drives
Power supply management
Mobile applications

Features

Closed loop sensing for accuracy
35mm DIN rail or panel mount
Available with ±5 VDC, ±10 VDC or 4 - 20 mADC outputs
Non-contact DC current sensing
Connection diagram printed on case

Regulatory Agencies

All single element current transducers are available in split core design.
Simply put an "S" at the end of the prefix

Add suffix for input range

PART NUMBERS			
CR5210(S)	▪		Single Element with ±5 VDC output (split core design)
CR5211(S)	▪		Single Element with ±10 VDC output (split core design)
CR5220(S)	▪		Single Element with 4 - 20 mADC output (split core design)
NOTE: DC Split Core Transducers Available in 20 Amps and Higher			
NOTE: CR5200 Series is available with 12V Power Supply. Use same application as 24V Power Supply. Example Part Number: CR5210-300-12.			

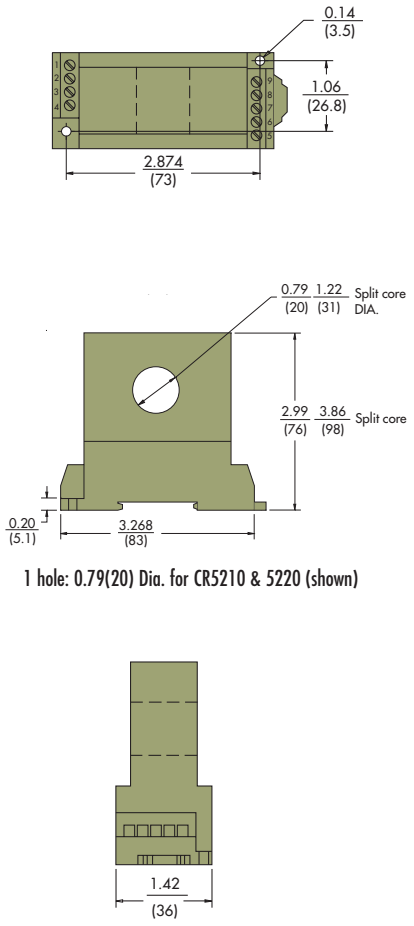
2	-	0-2 ADC
5	-	0-5 ADC
10	-	0-10 ADC
20	-	0-20 ADC
30	-	0-30 ADC
50	-	0-50 ADC
75	-	0-75 ADC
100	-	0-100 ADC
150	-	0-150 ADC
300	-	0-300 ADC

Ranges available up to and including 600 ADC

SPECIFICATIONS

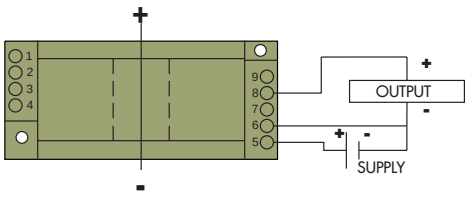
Basic Accuracy:..... 1.0 %
Thermal Drift:..... 500 PPM/°C
Operating Temperature:..... 0°C to +50°C
Response Time: ..... 250 ms. max.,0-90% FS
Insulation Voltage:..... 2500 VDC
Supply Voltage:..... 24 VDC ±10%
Frequency Range:..... DC only
MTBF:..... Greater than 100 K hours

Output Load:..... ±5 or ±10 VDC..... 2 K Ω or greater
4-20 mADC..... 0 - 300 Ω
Supply Current:
CR5210:.....Typical 35mA Max 40mA
CR5210S:.....Typical 30mA Max 35mA
CR5220:.....Typical 60mA Max 100mA
CR5220S:.....Typical 40mA Max 50mA
Torque Specs.:..... 3.0 inch lbs. (0.4Nm)
Weight:.....0.5 lbs.

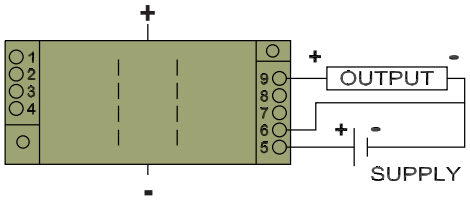


1 hole: 0.79(20) Dia. for CR5210 & 5220 (shown)

OUTLINE DRAWING



CR5210
±5 VDC Output



CR5220
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.

C Transducers