DIN RAIL / PANEL MOUNT



Single Element - .79" Window 0.1 to 600 ADC Input Range



Single Element - 1.2" Window 20 to 600 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 20 Amp Solid Core Versions, utilize an advanced Magnetic Modulator technology. The ranges 20 amps Split Core and > 20ADC Solid Core, 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

Constructed 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







Contact Factory for Custom ±5 VDC, ±10 VDC or 4 - 20 mADC Output Options All single phase current transducers > or = 20ADC Full Scale Input Range, are available in split core design. Simply put an "S" at the end of the prefix*

I.E. CR5210S-30

Add suffix for input range

PART NUMBERS						
CR5210(S)	-		Single Element with \pm 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: CR5210-300-12V

0-2 ADC 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





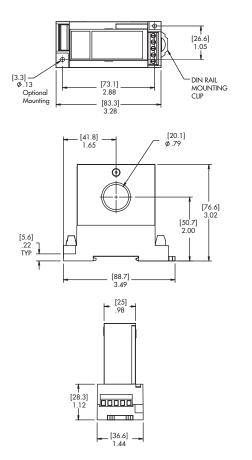


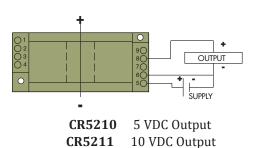
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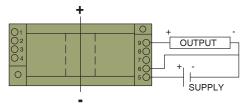
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SPECIFICATIONS

Pagio Aggurgay	1.0.0/	MTDE.	Crooter than 100	V hours
Basic Accuracy:		MTBF:		
Linearity:	10% to 100% FS	Output Load:	4-20 mADC - 0 to	$\sim 500~\Omega$
Thermal Drift:	500 PPM/°C		0-5 VDC - 2K Ω	or Greater
Operating Temperature:	0°C to +50°C	Relative Humidity:	5% to 95%, Non-C	Condensing
Installation Category:	CAT II	Supply Current:		
Isolation Voltage:	3500KVRMS/1mA/1Sec	CR5210/11:	Typical 35mA	Max 40mA
Vibration Tested To:	IEC 60068-2-6,1995	CR5210/11S:	Typical 30mA	Max 35mA
Pollution Degree:	2	CR5220:	Typical 60mA	Max 100mA
Response Time:	250 ms	CR5220S:	Typical 40mA	Max 50mA
Altitude:	2000 meter max.	Torque Specs.:	3.0 inch lbs. (0.4	Nm)
Insulation Voltage:	2500 VDC	Weight:	0.5 lbs.	
Supply Voltage:	24 VDC ±10%			
Frequency Range:	DC Only			
Cleaning:	Water-dampened cloth			







CR5220 4 - 20 mADC Output

OUTLINE DRAWING

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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