



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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DC Voltage Transducer

DIN RAIL / PANEL MOUNT, RMS



Single Element
1 - 200 VDC Input Range

The **CR5300** Series, DC Voltage Transducers and Transmitters, are designed to provide an output DC signal that is proportional to the input DC voltage. These devices are especially suited for applications with a current shunt to monitor DC current.

Applications

- Power Supply over/under sensing
- Battery chargers and systems
- Mobile applications
- Power sensing

Features

- Output isolated from input
- Available with 0-5 VDC, 0-10 VDC or 4 - 20 mADC outputs
- 35mm DIN rail or panel mount
- Connection diagram printed on case

Regulatory Agencies

- Approved to 61010B-1
- Approved to CAN/CSA-C22.2, No. 1010.1-92
- Meets IEC 61010-1 and BS EN 61010-1

CR5310 with Resistor Application is shown below.



PART NUMBERS

CR5310	-		Single Element with ± 5 VDC output
CR5311	-		Single Element with ± 10 VDC output
CR5320	-		Single Element with 4 - 20 mADC output

Add suffix for input range

- 1** - 0-1 VDC
- 5** - 0-5 VDC
- 10** - 0-10 VDC
- 50** - 0-50 VDC
- 150** - 0-150 VDC
- 200** - 0-200 VDC

Ranges available up to and including 600 VDC

If you need a relay output, use a **CR3395**.
See Section E for Details.



Another HUNTINGTON ELECTRIC Company

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

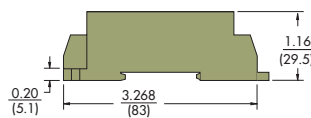
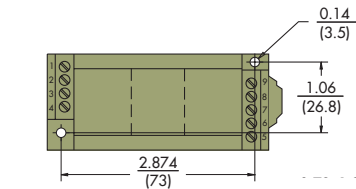
Web: <http://www.crmagnetics.com>

E-mail: sales@crmagnetics.com

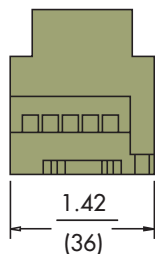
Transducers

SPECIFICATIONS

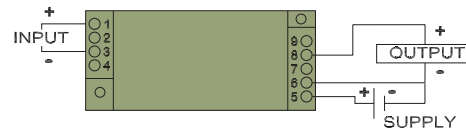
Basic Accuracy:.....	0.5 %	Supply Voltage:.....	24 VDC \pm 10%
Calibration:.....	RMS Calibrated	Frequency Range:.....	DC only
Thermal Drift:.....	200 PPM/ $^{\circ}$ C	Output Load:..... \pm 5 or \pm 10 VDC.....	2 K Ω or greater
Operating Temperature:.....	0 $^{\circ}$ C to +60 $^{\circ}$ C	4-20 mADC.....	0 - 300 Ω
Installation Category:.....	CAT II	Supply Current:	
Pollution Degree:.....	2	CR5310:.....	Typical 10mA Max 15mA
Response Time:.....	250 ms. max., 0-90% FS	CR5320:.....	Typical 35mA Max 35mA
Altitude:.....	2000 Meters Max.	Torque Specs.:.....	3.0 inch lbs. (0.4Nm)
MTBF:.....	Greater than 100 K hours	Weight:.....	0.5 lbs.
Insulation Voltage:.....	2500 VDC		



Dimensions for All CR5300 Series (shown)



OUTLINE DRAWING



CR5310

0 - \pm 5 VDC Output



CR5320

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.

