

DC Voltage Transducer

DIN RAIL / PANEL MOUNT, RMS



Single Element
.01 - 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
0 - 5 VDC or 4 - 20 mADC outputs
35mm DIN rail or panel mount
Connection diagram printed on case

Regulatory Agencies

Approved to UL3111-1, First Edition, Amendment 2
Approved to CAN/CSA-C22.2, No. 1010.1-92
Meets requirement of 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

- .01** - 0-0.01 VDC
 - .05** - 0-0.05 VDC
 - .1** - 0-0.1 VDC
 - 1** - 0-1 VDC
 - 5** - 0-5 VDC
 - 10** - 0-10 VDC
 - 50** - 0-50 VDC
 - 150** - 0-150 VDC
 - 200** - 0-200 VDC
- other ranges available

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

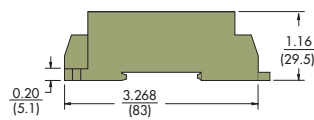
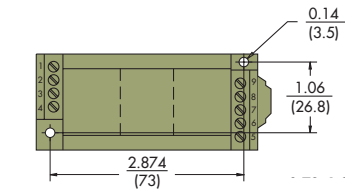
Web: <http://www.crmagnetics.com>

E-mail: sales@crmagnetics.com

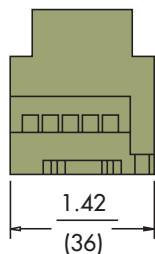
Transducers

SPECIFICATIONS

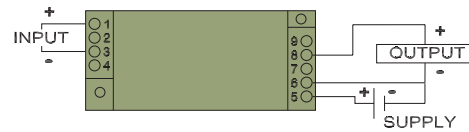
Basic Accuracy:.....	0.5 %	Supply Voltage:.....	24 VDC \pm 10%
Calibration:.....	RMS Calibrated	Frequency Range:.....	DC only
Thermal Drift:.....	200 PPM/ $^{\circ}$ C	Output:.....	\pm 5 VAC/DC
Operating Temperature:.....	0 $^{\circ}$ C to +60 $^{\circ}$ C	Output Load:.....	\pm 5 or \pm 10 VDC..... 2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



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.



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