

TRI COLOR BAR GRAPH WITH 4 DIGIT DISPLAY



CRV3100 CRV3200
CR3000 Series

Applications

Directly Connect to PLC
Sense Motor Stalls and Short Circuits
Industrial Instrumentation
Process Control Loops
Over and Under Trip Detection

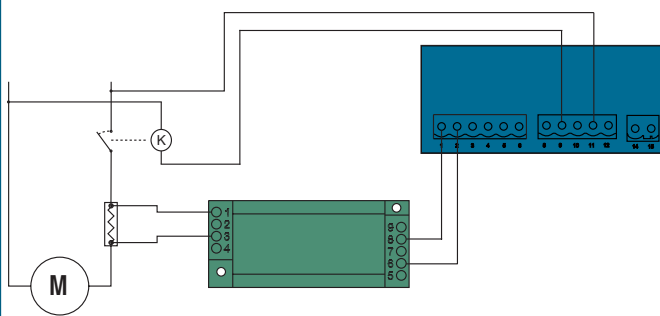
Features

1/8 DIN Case
Available with Analog 4-20 mA or 0-10 VDC Outputs
RS232 and RS485 Communication Available
Select from 17 Different Inputs
8 Different Types of Relay Outputs Available
4 User Selectable Trip Points
Trip Point Status Indicators on Front Panel
Value Priced
3 Button Programming from Front Panel

Regulatory Agencies



The GRAFIX™ Series



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>

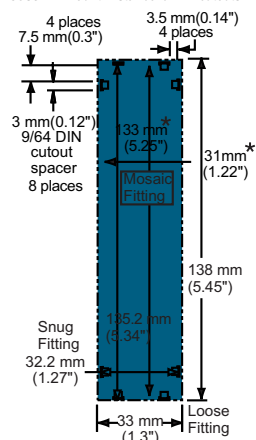
TRI COLOR BAR GRAPH WITH 4 DIGIT DISPLAY

SPECIFICATIONS

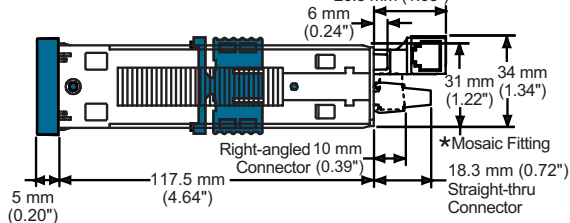
Input Specs.	Depends on Input signal conditioner
A/D Converter	14 bit single slope
Accuracy	±(0.05% of reading + 2 counts)
Temp. Coeff.	100 ppm/°C (Typical)
Warm up time	2 minutes
Conversion Rate	10 conversions per second (Typical)
Display	4-digit 0.31 LED red (std), green (optional)
Polarity	Assumed positive. Displays - negative
Decimal Selection	Front panel button selectable, X.X.X.X.
Positive Overrange	Bargraph and top segments of digital display flash
Negative Overrange	First segment of bargraph/Bottom Segments of digital display flash
Relay Output	Two 5 Amp Form A relays and two 10 Amp Form C relays
Analog Output	Isolated 16 bit user scalable mA or V 0-10 VDC, 4-20 mADC
Power Supply	AC/DC Auto sensing wide range supply
Operating Temp	0 to 60°C
Relative Humidity	95% (non condensing)
Weight	9.5 oz.

PANEL CUTOUT

Case will mount in standard DIN cutouts



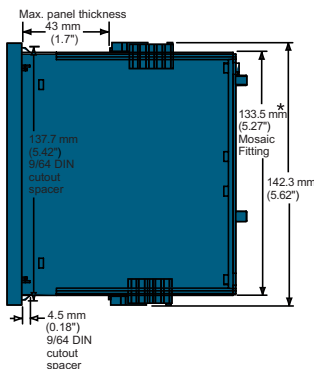
Push-On Connector
for FI series IO board
26.5 mm (1.05 inch)



OUTLINE DRAWING

PART NUMBERS

GRAFIX PANEL METER	CRVXXXX	-XX	-XX	-XX	-XX	
PROCESS SERIES						
INPUT						
Single 0-5 VDC Process Input	CRV3100				-P1	
Dual 0-5 VDC Process Input					-P2	
Triple 0-5 VDC Input					-P3	
Single 4-20 mADC Process Input					-P4	
Dual 4-20 mADC Process Input					-P5	
Triple 4-20 mADC Process Input					-P6	
RELAY OUTPUT						
Single 10 Amp Form C Relay Output	CRV3100				-R1	
Dual 10 Amp Form C Relay Output					-R2	
Single 400 VAC/DC 140 mA SSR Output					-R4	
Dual 400 VAC/DC 140 mA SSR Output					-R5	
ANALOG OUTPUT						
0-10 VDC Ratiometric Process Output	CRV3100				-01	
4-20 mADC Ratiometric Process Output					-02	
COMMUNICATION						
RS232 Communications (5 DIGIT) Module	CRV3100				-S1	
RS485 Communications (5 DIGIT) Module					-S2	
DIRECT CONNECT SERIES						
INPUT						
AC Volts Input 600 VAC Average Sensing	CRV3200				-A1	
AC Current Input 5 AAC Average Sensing					-A2	
AC Volts Input 600 VAC TRMS Sensing					-A3	
AC Current Input 5 AAC TRMS Sensing					-A4	
DC Volts Input, Scalable, DC Voltage Sensing					-D1	
DC Millivolt, Input, Scalable, DC Voltage Sensing					-D2	
DC Amps Input, Scalable, DC Current Sensing					-D3	
DC Milliamps Input, Scalable, DC Current Sensing					-D4	
DC Volts Input, Scalable, DC Voltage Sensing					-D5	
DC Milliamp Scalable, DC Current Sensing					-D6	
RELAY OUTPUT						
Single 10 Amp Form C Relay Output		CRV3200				-R1
Dual 10 Amp Form C Relay Output					-R2	
Single 400 VAC/DC 140 mA SSR					-R4	
Dual 400 VAC/DC 140 mA SSR					-R5	
ANALOG OUTPUT						
0-10 VDC Ratiometric Process Output	CRV3200				-01	
4-20 mADC Ratiometric Process Output					-02	
COMMUNICATION						
RS232 Communications (5 DIGIT)	CRV3200				-S1	
RS485 Communications (5 DIGIT)					-S2	



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