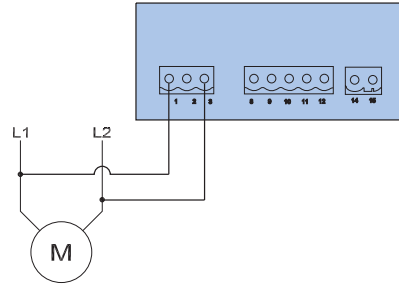


INDUSTRIAL APPLICATIONS FOR DIGITAL PANEL METERS

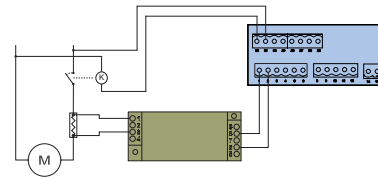
LINE VOLTAGE

Using a CRV2200 with an A1 module, a motor voltage can be monitored directly and displayed. Part number is CRV2200-A1



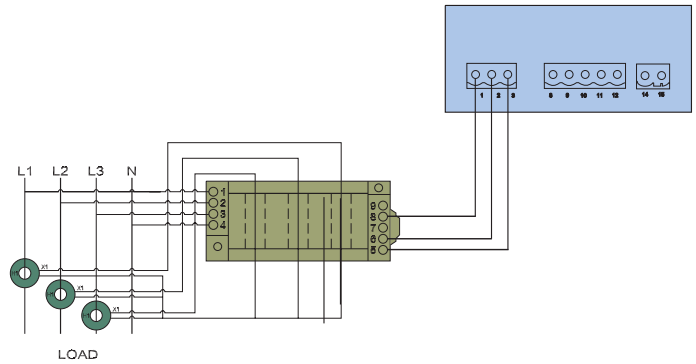
DC CURRENT

A DC Motor needs to be monitored for stalling and failure. A shunt resistor is used in series with the motor, and the voltage across the shunt is monitored with a CR5310 DC Voltage Transducer. A CRV3100 Grafix meter can be used to display the level of current, and the R1 Relay output module is used to control a drop out relay. Part number CRV3100-P1-R1



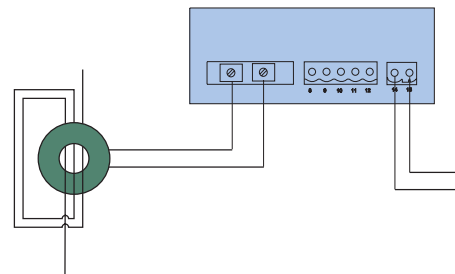
AC POWER

A CR6250 is used to monitor 3 phase 4 wire real power. This is applied to a CRV2100 Display to communicate the real power level. Part number CRV2100-P1



AC CURRENT TRANSFORMER

A standard 5 Amp secondary CT is used to measure AC current in a conductor. The output of the CT is applied to a CRV2200, and the results are displayed and communicated over an RS232 serial connection. Part number CRV2200-A2-S1





NEW PRODUCT

**Data™
View**

Digital Panel Meters

**Data™
View**



The CRYSTAL Series is our most fully featured display module. Capable of reading multiple inputs and displaying values and test for complete system evaluation. Alarms, calibration, and fully functional mathematical calculations can be performed and information displayed to provide complete control and measurement system. Interfaces with all CR Magnetics sensors including DataStream, Analog Transducers, Current Transformers, and Potential Transformers. Standard 1/8 Din Case.



The TRIVIEW Series provides a unique way to view multiple variables at the same time. Ideal for 3 phase systems reading Voltage and current. Perfect for measuring multi-functions of single phase systems, including voltage, current, and power. Includes status indicators and front panel button interface. Connects with all CR Magnetics sensors including DataStream, Analog Transducers, Current Transformers, and Potential Transformers. Standard 1/8 Din Case.



The GRAFIX Series display is designed for use in single variable display applications. The striking look is designed to provide the designer with a toll that enables operators and system monitors a quick look function without alphanumeric confusion. Includes a small alphanumeric display for fine monitoring or system display messages. Interfaces with all CR Magnetics analog sensors including Transducers, Current Transformers, and Potential Transformers. Standard 1/8 DIN Case.



The Keystone Series is our most basic display. Designed for displaying single variables, this display can interface with all CR Magnetics analog sensors including Transducers, Current Transformers, and Potential Transformers. Available with serial communications, front panel buttons, front panel status indicators, and is fully programmable with alarms and limits. Standard 1/8 DIN Case.



Another HUNTINGTON ELECTRIC Company

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

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

E-mail: sales@crmagnetics.com

General Information



Crystal Series Display
CRV5000, 5100, 5200



TriView Series Display
CRV4000, 4100, 4200



Grafix Series Display
CRV3100, 3200



Keystone Series Display
CRV2100, 2200

Regulatory Agencies



Applications

- Directly connect to PLC
- Sense motor stalls and short circuits
- Industrial instrumentation
- Process control loops
- Over and under trip detection

Features

- Standard Industry Cases
- Available with analog 4-20 ma or 0-10 Vdc outputs
- RS 232 and RS 485 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

Internet Resources <http://www.crmagnetics.com>

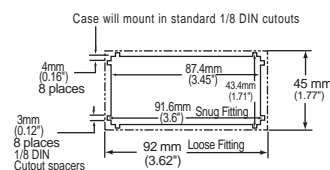
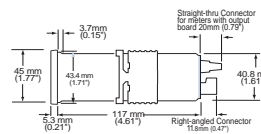
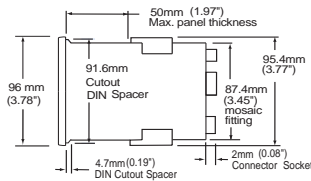
- CRV5000** Crystal Meter Data Stream Interface
- CRV5100** Crystal Meter Process Interface
- CRV5200** Crystal Meter Direct Connect
- CRV4000** TriView Meter Data Stream Interface
- CRV4100** TriView Meter Process Interface
- CRV4200** TriView Meter Direct Connect
- CRV3100** Grafix Meter Process Interface
- CRV3200** Grafix Meter Direct Connect
- CRV2100** Keystone Meter Process Interface
- CRV2100** Keystone Meter Direct Connect

MODULE NO.	DESCRIPTION											
		CRV5000	CRV5100	CRV3200	CRV4000	CRV1100	CRV4200	CRV3100	CRV2200	CRV1000	CRV2000	
P1	Single 0-5VDC Process Input		X			X		X		X		
P2	Double 0-5VDC Process Input		X			X		X		X		
P3	Triple 0-5VDC Process Input		X			X		X		X		
P4	Single 4-20 mA Process Input		X			X		X		X		
P5	Double 4-20mA DC Process Input		X			X		X		X		
P6	Triple 4-20 mA DC Process Input		X			X		X		X		
A1	Average Sensing Direct Connect 0-600V AC Input			X			X		X		X	
A2	Average Sensing Direct Connect 0-5A AC Input			X			X		X		X	
A3	True RMS Sensing Direct Connect 0-600V AC Input			X			X		X		X	
A4	True RMS Sensing Direct Connect 0-5A AC Input			X			X		X		X	
D1	DC Voltage Sensing Direct Connect DC Volts Scalable Input			X			X		X		X	
D2	DC Voltage Sensing Direct Connect DC Millivolts Scalable Input			X			X		X		X	
D3	DC Current Sensing Direct Connect DC Amps Scalable Input			X			X		X		X	
D4	DC Current Sensing Direct Connect DC Milliamps Scalable Input			X			X		X		X	
D5	Double DC Voltage Sensing Direct Connect DC Volts Scalable Input			X			X		X		X	
D6	Double DC Current Sensing Direct Connect DC Milliamps Scalable Input			X			X		X		X	
D7	Triple DC Voltage Sensing Direct Connect DC Volts Scalable Input			X			X		X		X	
R1	Single 10 Amp Form C Relay Output	X	X	X	X	X	X	X	X	X	X	
R2	Double 10 Amp Form C Relay Output	X	X	X	X	X	X	X	X	X	X	
R3	Triple 5 Amp Form A Relay Output	X	X	X	X	X	X	X	X	X	X	
R4	Single 400VAC/DC 140 mA SSR Output	X	X	X	X	X	X	X	X	X	X	
R5	Double 400VAC/DC 140 mA SSR Output	X	X	X	X	X	X	X	X	X	X	
R6	Triple 400VAC/DC 140 mA SSR Output	X	X	X	X	X	X	X	X	X	X	
T1	0-10VDC Ratiometric Process Output	X	X	X	X	X	X	X	X	X	X	
T2	4-20mA Ratiometric Process Output	X	X	X	X	X	X	X	X	X	X	
S1	Serial RS232 Communications Module		X	X		X	X	X	X	X	X	
S2	Serial RS485 Communications Module		X	X		X	X	X	X	X	X	

CRV5000, CRV4000 CRV2000 SERIES

CRV3000 GRAFIX

OUTLINE DIMENSIONS



PANEL CUTOUT

