Displays and Indicators

CRM1000 Series



CRM2000 Series



CRM3000 Series



The **Current Mark Displays** are designed as a low cost method for providing a visual indication and measurement of electrical current flow. The current-carrying wire is routed through the window opening in the current sensing transformer, providing sensing and power for the instrument. **CRM 1000** Series high efficiency, 7 LED indicator that illuminates as the current approachs the full scale range. **CRM 2000** Series is a modern looking light bar with nice visual appeal. **CRM 3000** Series is an auto-ranging display with an input range up to 50 AAC.

Applications

Monitor Status of Heater Elements Observe Remote Loads Indicate Phase Loss Monitor Motor Operation

Features

Self Powered
Quick Visual Marking of AC Current
Compact
Low Cost for high Volume OEM Applications

Specifications

300AAC In-Rush 100AAC Continuous 50 AAC Rated 600 VAC Max rating
Thermoplastic Case Material

50/60 Hz Bandwidth*

- -30°C to +60°C Operating Temperature
- -55°C to +85°C Storage Temperature

* Contact Factory for additional input frequency ranges

Regulatory Agencies







PART NUMBERS						
CRM1000	-			7-LED Indicator		
CRM2000	-			Light Bar		
CRM3000	•	50		Auto Ranging to 50 AAC		

Add suffix for input range

25 - 2-25 AAC **50** - 2-50 AAC

Current Transformer:

- -I Internal
- -R Remote Split CR3110-1500-36 (Included in Price)





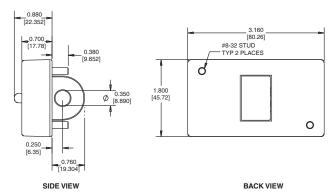




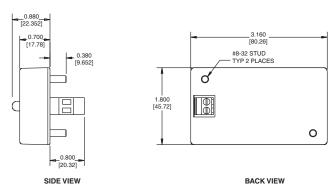
Web: http://www.crmagnetics.com 83 E-mail: sales@crmagnetics.com



OUTLINE DRAWING

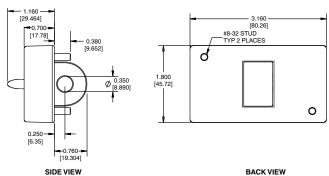


CRM1000 - I UNIT DIMENSIONS

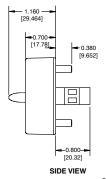


CRM1000 - R UNIT DIMENSIONS

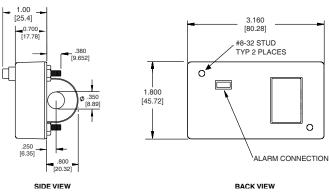
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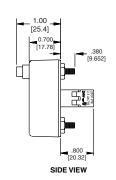
CRM2000 - I UNIT DIMENSIONS



CRM2000 - R UNIT DIMENSIONS



CRM3000-50-I UNIT DIMENSIONS



3.160 [80.28] #8-32 STUD TYP 2 PLACES

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ALARM CONNECTION

BACK VIEW

[80.26] #8-32 STUD TYP 2 PLACES

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CRM3000-50-R UNIT DIMENSIONS

CRM3000 SPECIFICATIONS							
40110000 10 1	CALIBRATION	LOW SCALE	HIGH SCALE	ACCURACY			
CRM3000-50-I	10 AAC	9.9	10.1	1.0 %			
BASIC ACCURACY	25 AAC	24.25	25.25	1.0 %			
	50 AAC	49.50	50.50	1.0 %			
CRM3000-50-R	10 AAC	9.8	10.2	2.0 %			
	25 AAC	24.50	25.50	2.0 %			
BASIC ACCURACY	50 AAC	49.00	51.00	2.0 %			
READABLE RANGE FROM 2 AAC TO 51 AAC							

PART NUMBER A B C D E F

CR3110-1500-36 1.040.40 1.58 36.0 1.04 0.24

CR3110-1500-36 For Remote Application



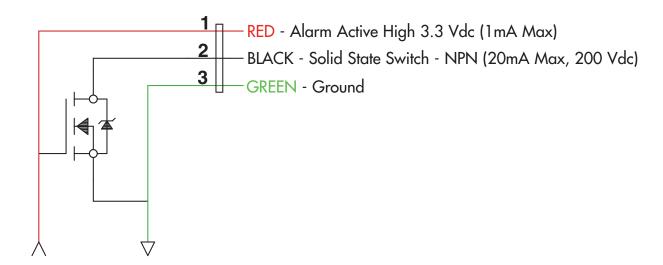
3500 Scarlet Oak Blvd. St. Louis MO USA 63122 V: 636-343-8518 F: 636-343-5119

Web: http://www.crmagnetics.com

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E-mail: sales@crmagnetics.com

CRM3000 CABLE ASSEMBLY CONNECTION DIAGRAM



ALARM PROGRAMMING AND OPERATING INSTRUCTIONS

Models:

CRM3000-50-I CRM3000-50-R

- 1. Provide power to the unit.
- 2. Determine desired current level to activate alarm
- 3. Press and hold alarm button for two seconds and release
- 4. LCD display blinks either the last alarm setting or "Aoff". (Unit is factory set in "Aoff" mode)
- 5. Depress and release alarm button until desired set-point is reached
- 6. Press and hold alarm button for two seconds
- 7. Set-point is stored in memory and unit returns to normal operation
- 8. To deactivate alarm, press and hold alarm button for two seconds in "Aoff" mode

CRM3000 ALARM CA	ABLE & PIN CONNECTOR (Optional)
CRM3000-CBL-36	CRM3000 Alarm Cable Assembly 36" Lead



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