



# THE DATASHEET OF CRM1000-25-R

## 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.

**CRM1000** Series high efficiency, 7 LED indicator that illuminates as the current approaches the full scale range.

**CRM2000** Series is a modern looking light bar with nice visual appeal. **CRM3000** 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

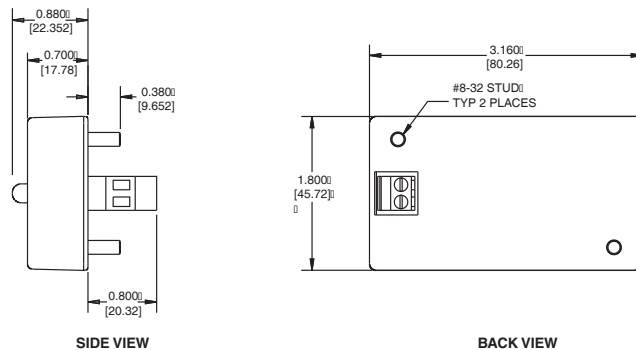
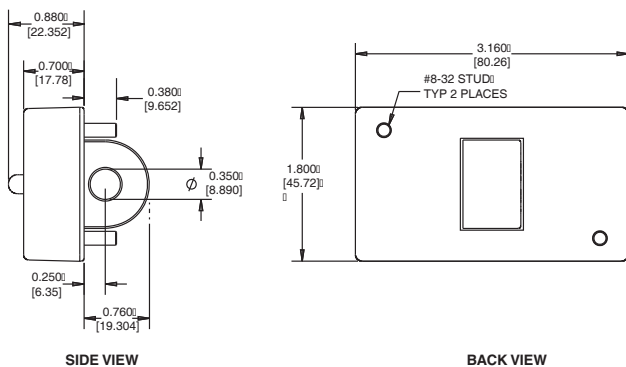
Current Transformer:

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



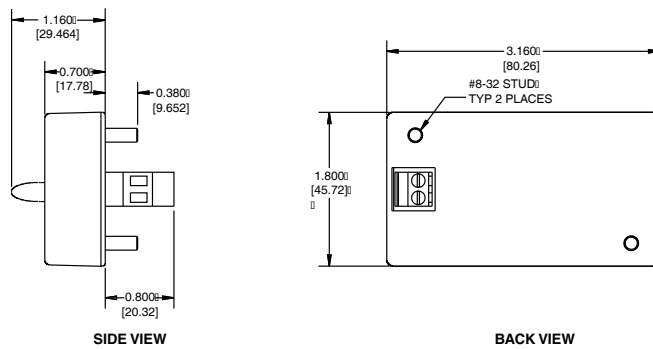
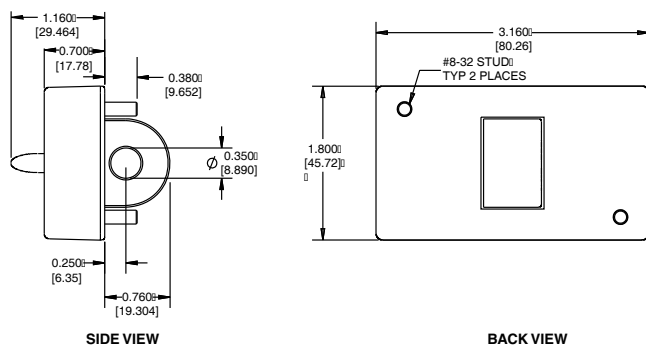
CR3110-1500-36

## OUTLINE DRAWING



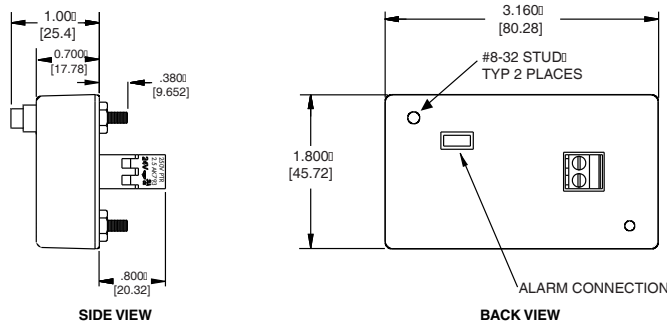
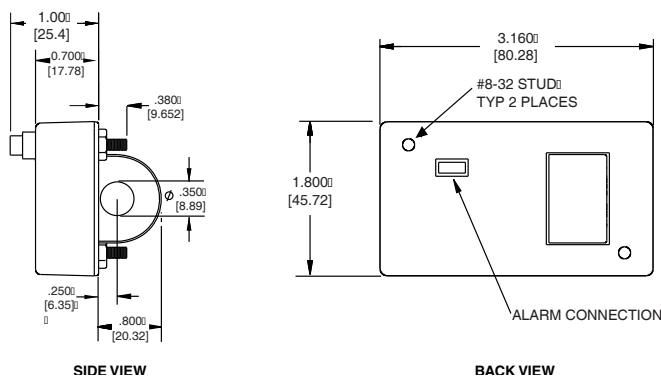
CRM1000 - I UNIT DIMENSIONS

CRM1000 - R UNIT DIMENSIONS



CRM2000 - I UNIT DIMENSIONS

CRM2000 - R UNIT DIMENSIONS



CRM3000-50-I UNIT DIMENSIONS

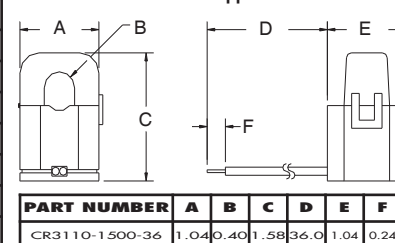
CRM3000-50-R UNIT DIMENSIONS

### CRM3000 SPECIFICATIONS

| CRM3000-50-I<br>BASIC ACCURACY | CALIBRATION | LOW SCALE | HIGH SCALE | ACCURACY |
|--------------------------------|-------------|-----------|------------|----------|
|                                | 10 AAC      | 9.9       | 10.1       | 1.0 %    |
|                                | 25 AAC      | 24.25     | 25.25      | 1.0 %    |
|                                | 50 AAC      | 49.50     | 50.50      | 1.0 %    |
| CRM3000-50-R<br>BASIC ACCURACY | CALIBRATION | LOW SCALE | HIGH SCALE | ACCURACY |
|                                | 10 AAC      | 9.8       | 10.2       | 2.0 %    |
|                                | 25 AAC      | 24.50     | 25.50      | 2.0 %    |
|                                | 50 AAC      | 49.00     | 51.00      | 2.0 %    |

READABLE RANGE FROM 2 AAC TO 51 AAC

### CR3110-1500-36 For Remote Application



| PART NUMBER    | A    | B    | C    | D    | E    | F    |
|----------------|------|------|------|------|------|------|
| CR3110-1500-36 | 1.04 | 0.40 | 1.58 | 36.0 | 1.04 | 0.24 |

## 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 CABLE & PIN CONNECTOR (Optional)

**CRM3000-CBL-36**

CRM3000 Alarm Cable Assembly 36" Lead

## Looking for pricing, stock, or lifecycle information?

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 [CR Magnetics Inc.](#) Information

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