

CR7508 Specifications		
	SV1	SV2
Control Power Supply	Universal AC Power Supply 85-240 Vac 50/60 Hz. 110-240 Vdc	12.5 - 35 Vdc 18-24 Vsc 50/60 Hz.
	Copper Wire Only for Supply Connections	
<b>Power Consumption</b>	3 VA Max	2 Watts Max
Measurable Range	200% of Rated Full Scale, 50-400 Hz.	
Limiting Continuous Current	10ARMS for Rated Full Scale Otherwise 200% of Rated Full Scale	
<b>Current Withstand</b>	500A, 2 seconds	
Output Type	1 SPDT Form C Relay	
Terminals	(3) 0.25″ Male Quick Connect	
	Rated Voltage	250 VAC
	Rated Current	12 Amps
Relay Output	Limiting Continuous Current	12 Amps
Ratings	Breaking Capacity MAX	3000 VA
	Electrical Endurance	>10 <sup>5</sup> Operations
	Mechanical Endurance	>30 X 10 <sup>6</sup> Oper- ations
Trip Threshold	Adjustable or Fixed	
Time Delay	Adjustable or No Delay	
Hysteresis	5% of Full Scale Set Point	
Case	UL 94 5-VA Flammability Rating	
Environmental	Operating Tempera- ture	-30C to +60C
	Storage Temperature	-55C to +85C
Ratings		
Katings	Relative Humidity	0-95% RH, Non-condensing
Katings	Relative Humidity Altitude	

# CR7508 Series

The CR7508 Series Ground Fault Current Sensing Relay, provides a reliable and cost efffective method for sensing ground fault current. Ground fault sensors help to protect equipment and processes from potentially harmful currents. The CR7508 monitors the differential current of the load wires routed through the current transformer on the relay.

The CR7508 offers a wide range of either an adjustable or fixed trip threshold. Upon sensing a ground fault current above the trip threshold the red LED illimintes and the Form C relay changes state providing an output signal.

The CR7508 is rated as a UL 1052 Class 1 device.

Typically 30mA+ Trip range and provides ground-fault protection at services and feeders. This is not intended for personal protection. Intended to operate with shunt-trip coils as a disconnecting means.

## **Applications**

Ground-Fault Protection of Equipment (GFPE) Marinas and Boatyards Snow and Ice Melt Systems Switchgear Localized Branch Circuit Fault Protection UL 508A Panels

#### Features

Wide range of selectable trip thresholds Adjustable delay time Optional latching mechanism Changeable Form C relay state logic Green and Red Indicators for no fault and fault conditions Integrated Ground-Fault test circuit for functionality verification Optional 35 mm DIN rail mount adapter

## **Specifications**

Mounting: 3/16" dia. clearance holes on 1 15/16" by 2 15/16" Centers Operating Temperature: -30 C to + 60 C Storage Temperature: -55 C to +85 C Power On Delay: 1 Sec. Hysteresis: 5% Max Input Supply Power: 3 VA 2 Watts Max Sensed Current: 200% Full Scale Max Continuous Frequency: 60-400 HZ\* \*All Specifications at 60 Hz only Altitude: 2000 Meters Max. Contact Factory for High Altitude Applications

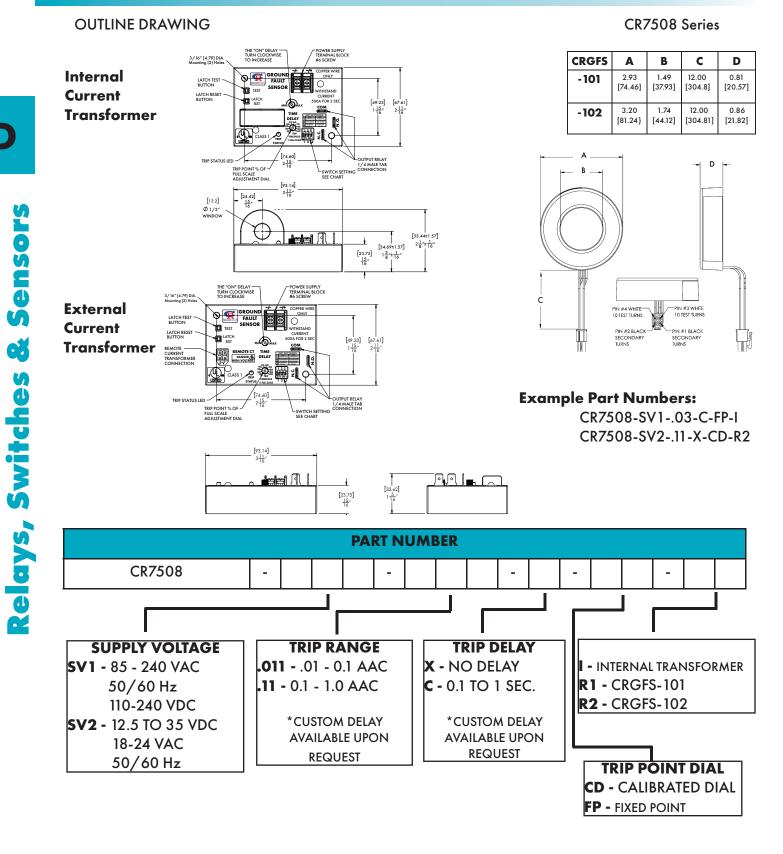
Regulatory Agencies CULUS CERCHS



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# **Current Sensing Relays, Switches & Sensors**

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