



**CANTHERM**

Supplying high-quality bimetal and thermal sensor products.

## About the CRMZ

The CRMZ self-holding device is based on the CRM series snap action thermal protectors but features an enclosed heating element to provide safer product performance. The device will reset only after power is turned off and the temperature drops below the reset temperature.

## Applications

The CRMZ series protects against overheating & overcurrent in electric heating elements, fractional horsepower motors, fluorescent ballast, transformers, PCB, sodium lamps, metal halide rectifiers and more.

## Specifications

**Open temp.:** 45°C ~ 120°C tolerance:  $\pm 5^\circ\text{C}$   
(according to customers requirement)

**Reset temp.:** see table for reset temperature code

**Rated voltage:** AC240V, DC24V

**Rated current:** 4A

**Cycle rating:** 10,000 cycles

## Certification

CUL & UL: E345651

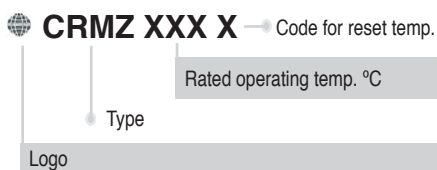
RoHS Compliant

Please contact your Cantherm sales representative for more details on options.

## Dimensions



## Markings



# CRMZ

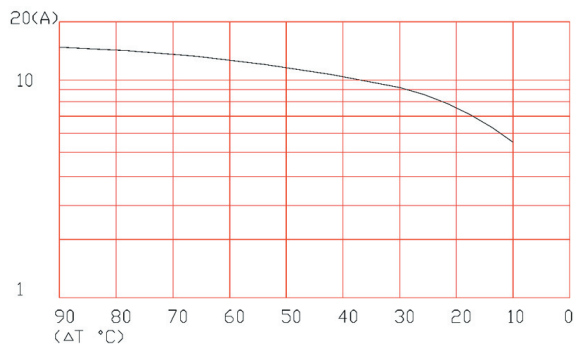
Self-Hold Thermal Protector



## Reset temperature codes

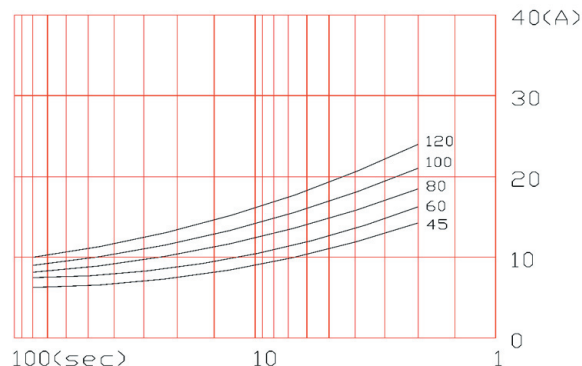
Code for reset temperature	Range of reset temperature
A	45°C lower than trip temp. (tolerance $\pm 15^\circ\text{C}$ )
B	35°C lower than trip temp. (tolerance $\pm 15^\circ\text{C}$ )
C	25°C lower than trip temp. (tolerance $\pm 15^\circ\text{C}$ )
D	Reset differential greater than 35°C

## Current VS Temperature Curve



$\Delta T = T1 - T2$   
T1: Trip temperature  
T2: Ambient temperature

## Current VS Trip Time



Cantherm • 8415 Mountain Sights Avenue • Montreal (Quebec), H4P 2B8, Canada  
Tel: (514) 739-3274 • 1-800-561-7207 • Fax: (514) 739-2902 • E-mail: sales@cantherm.com

Website: [www.cantherm.com](http://www.cantherm.com) | Division of Microtherm

2011/May CRMZ