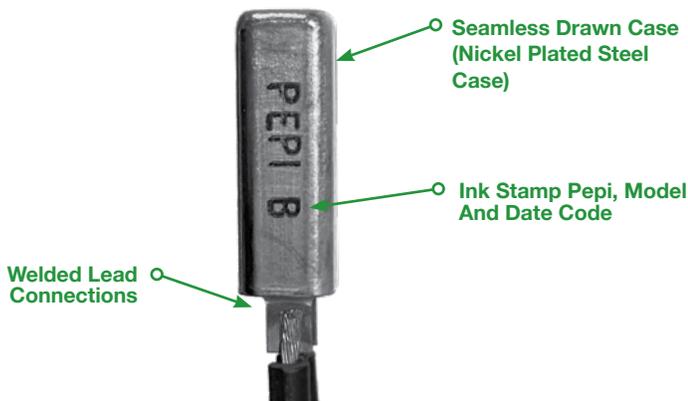




**Specially designed for higher voltage applications requiring a narrow differential between opening and closing temperatures**

# MODEL B

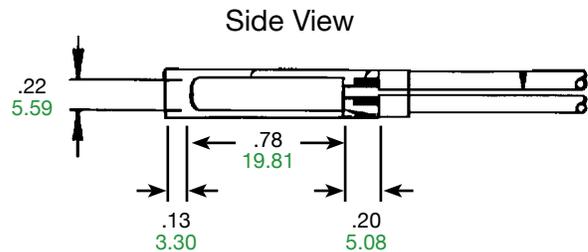
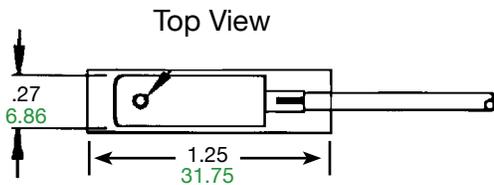
This version of the PEPI® Model B has a shunted type bimetal design allowing for use in applications with higher contact ratings. With their gold diffused contacts Model B thermal protectos also have the extra sensitivity required for reliable performance in low voltage/low current applications.



- Optional Form-Fitting Insulation Sleeve
- Customer Specified Lead Length And Insulating Material
- Calibration Dimple

**Model B** units are normally in the closed position allowing electricity to flow through the circuit. As the circuit load or ambient temperature exceeds a preset temperature, the top side of the bimetal element begins to shorten, eventually forcing the element to rise and open the circuit. As the circuit cools, the bimetal returns to its normal position closing the circuit and allowing electricity to once again flow. The creep action device maintains a narrow differential between opening and closing temperatures.

Feature	Benefit
Drawn case has small footprint	Fits neatly in tight spaces.
Shunted bimetal construction	Element does not carry the circuit current allowing use on higher voltage applications.
Creep action	Slow make / slow break switching action maintains narrow differential between opening and closing temperatures.
Over-sized plated gold contacts	Maximizes current sensitivity and performance reliability.
Preset calibration temperatures	Maximizes accuracy. Calibration cannot be reset in field.



**METRIC DIMENSIONS ARE IN MM (SHOWN IN GREEN)**

*We come through when the heat is on®*



**Pepi®**

Portage Electric Products, Inc.

# MODEL B

Customization Options	Effect
Change bimetallic elements	Increase or decrease sensitivity to current.
Add lead wires	Speed production at your facility. Choose wire and insulation material best suited to your application.
Select calibration temperature	Match application needs.
Add sleeves to case	Protect device from environmental concerns or severe ambient temperatures that might influence operation.

## UL Recognitions (Visit [www.pepiusa.info/ul-recognitions](http://www.pepiusa.info/ul-recognitions) for full details)

**File: E37151 - Temperature Indicating and Regulating Equipment**

- Temperature Limiting or Limiting and Regulating Equipment
- Temperature Regulating Applications

**File: E42562 - Motor Protective Devices, Inherent Overheating**

**File: E65250 - Overcurrent and Over Temperature protectors**

## CSA Certifications (Visit [www.pepiusa.info/csa-certifications](http://www.pepiusa.info/csa-certifications) for full details)

**Class: 4823 03 Motor Protectors**

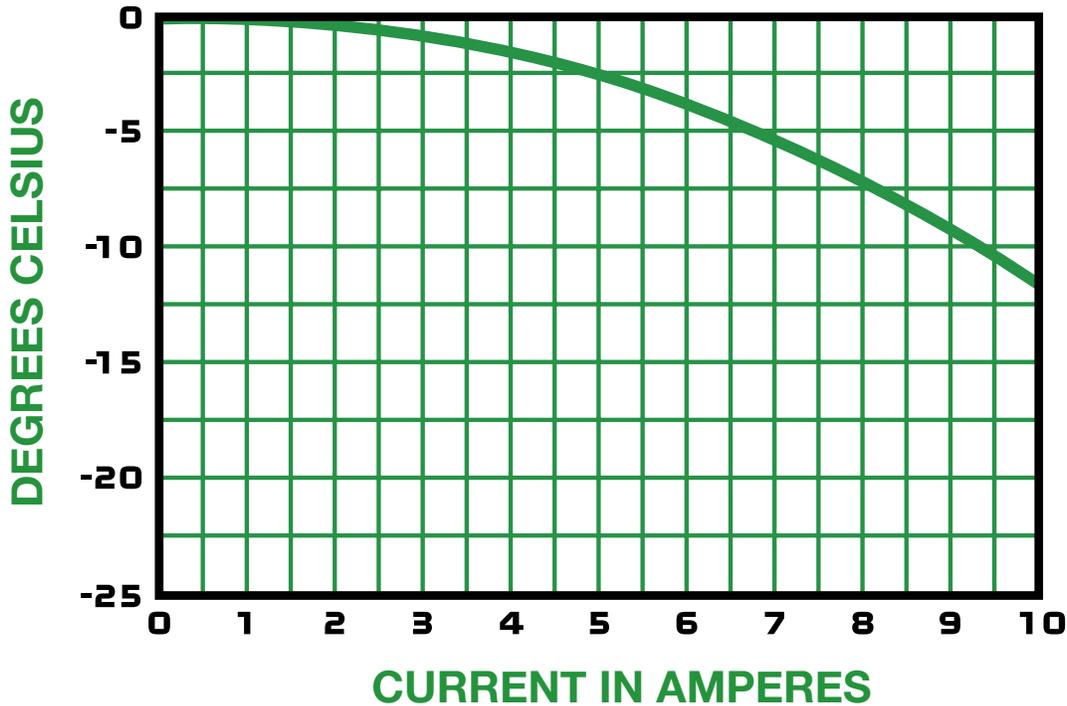
Contact Ratings	Calibration Temperature Range	
8 amps / 120 VAC (resistive)	Nominal Calibration Temperatures	5°C - 150°C
6 amps / 120 VAC (inductive)	Reset temperature	Typically 2°-10°C lower than opening temperature
3 amps / 240 VAC (inductive)		

*\*Please consult our Sales Engineers for suggested contact ratings when applied to DC type loads*

# MODEL B

PEPI® MODEL B REAL WORLD PERFORMANCE

## MODEL B DERATING CURVE



These are only representative curves based on controlled laboratory testing. Results may vary in actual applications.

## Portage Electric Products, Inc. (PEPI) The Thermal Control Specialists

This sheet contains basic technical and operating characteristic data for our Model B Thermal Controls.

Should you have any questions regarding the use of this device in your application, please feel free to contact us for additional technical information or assistance.

Since 1963 PEPI has been world-wide supplier of bimetallic thermostats and thermal protectors. Today, we produce almost every type of creep-action and snap-action device used in a wide range of OEM applications