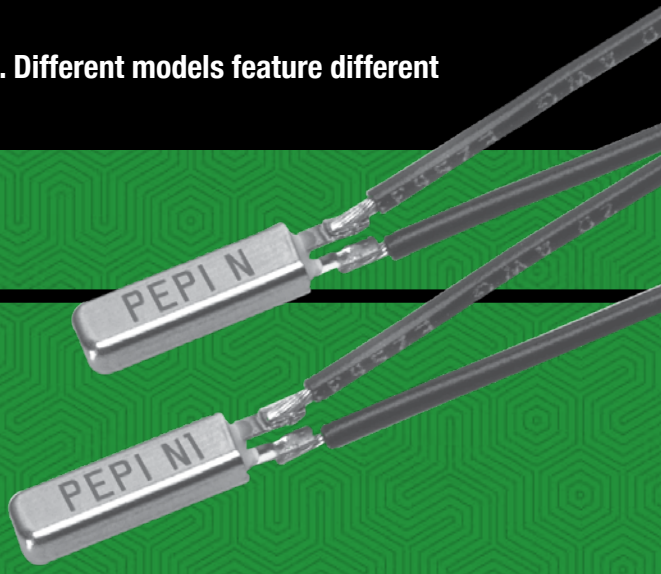
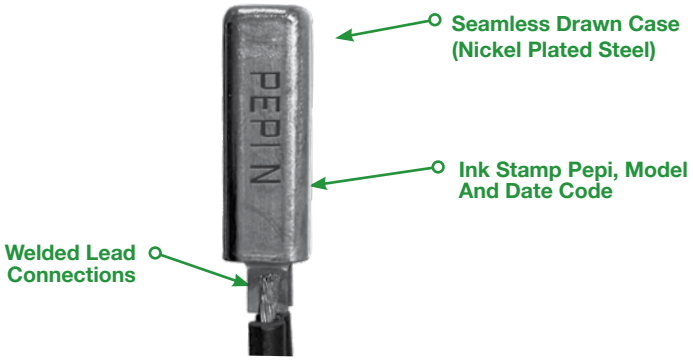
Our creep action thermal protector with the smallest footprint. Different models feature different current sensitivities.

MODEL N SERIES

PEPI® Models N Series creep action thermal protectors feature an exceptionally small drawn steel case to fit in the tightest spaces. The conductive bimetal construction allows a range of bimetals to affect sensitivity to changes in the circuit. The small footprint of Model N Series thermal protectors makes them especially attractive in battery pack applications.





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

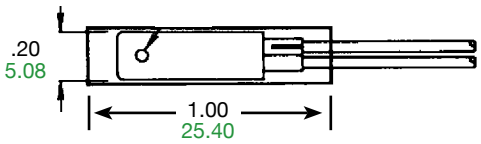
Model N, N-1 and N-2 units are normally in the closed position allowing electricity to flow through the circuit. When the temperature exceeds a preset high limit, the bimetal element open to break the circuit. When the temperature cools, the bimetallic element returns to its original shape closing the circuit.

Model NR units are normally in the open position preventing electricity from flowing through dircuit. Upon temperature rise, the Model NR closes the circuit allowing electricity to flow.

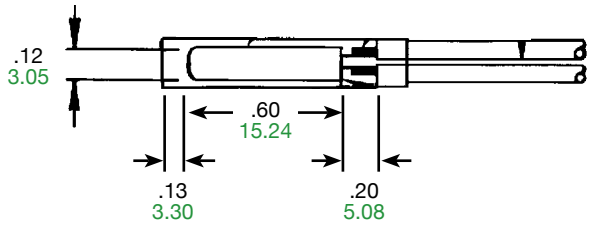
Feature	Benefit
Drawn case has small footprint	Fits neatly in tight spaces
Creep action	Slow make / slow break switching action maintains narrow differential between opening and closing temperatures.
Bimetallic element carries circuit current	Increased sensitivity to changes in current flow.
Case electrically live	Insulating sleeving is available to isolate case from surrounding materials.
Over-sized gold plated contacts	Maximizes current sensitivity and performance reliability especially on low voltage / low current applications..
Preset calibration temperatures	Maximizes accuracy. Calibration cannot be reset in field.
Tested for AC and DC applications	Widens range of applications where Model N Series thermal protectors can immediately be used.

MODEL N SERIES

Top View



Side View



METRIC DIMENSIONS ARE IN MM (SHOWN IN GREEN)

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.

Models N and NR: Low internal resistance and gold plated contacts make these devices suitable for use in low voltage / low current applications.

Models N-1 and N-2: Different bimetallic elements make these devices even more sensitive to changes in circuit than Models N and NR.

UL Recognitions (Visit www.pepiusa.info/ul-recognitions for full details)

File: E37151 - Temperature Indicating and Regulating Equipment
File: E65250 - Overcurrent and Overtemperature Protector
Category: Direct Current Ratings

Contact Ratings
2.6 amps / 120 VAC (inductive)
8 amps / 12 VDC (resistive)
4 amps / 24 VDC (resistive)

Calibration Temperature Range	
Nominal Calibration Temperatures	40°C - 150°C
Models N and N-1	30°C - 150°C
Model NR	30°C - 120°C
Model N-2	30°C - 100°C
Reset temperature	Typically 2°-4°C lower than opening temperature

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

We come through when the heat is on®

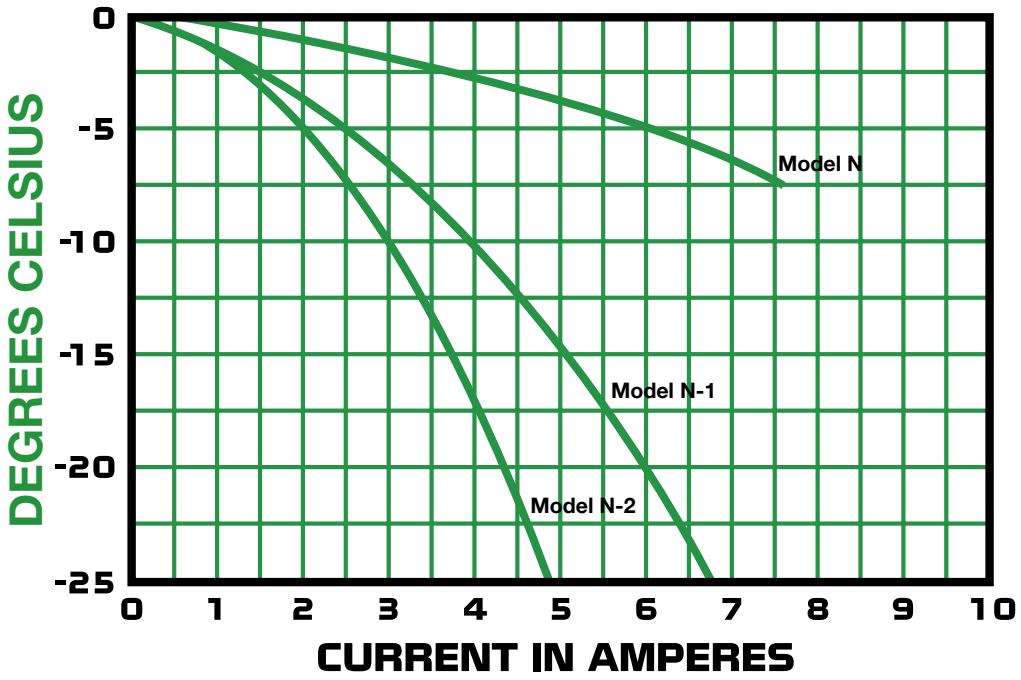
7700 Freedom Ave. NW, P.O. Box 2170, North Canton, Ohio 44720 U.S.A.
Phone: (330) 499-2727 • 1-888-GO4-PEPI • FAX (330) 499-1853 • email: salesinfo@pepiusa.com • www.pepiusa.com

Pepi® Portage Electric Products, Inc.

MODEL N SERIES

PEPI® MODEL N SERIES REAL WORLD PERFORMANCE

MODEL N SERIES 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 N Series 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

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