



Portage Electric Products, Inc.

Model 11MP Series

A line of **snap-action thermal protectors** offering the versatility PEPI® customers have become accustomed to in a new configuration. These economical and reliable protectors have the smallest footprint among PEPI® controls designed for inductive-type loads. Three basic styles are available with various bimetallic elements to match the current and temperature sensitivity of the device to the application.

FEATURES

- Snap-action design, quick break/quick make switching action.
- Opens circuit on temperature rise (normally closed).
- Conductive bimetal construction: The bimetal carries the circuit current for maximum sensitivity under short circuit conditions.
- Extremely small footprint and low profile design.
- Available with various bimetallic elements to match sensitivity needs of the application.
- Preset calibration temperature; not adjustable in the field.
- **E-Type:** Epoxy encapsulated.
- **S-Type:** Heat-shrink mylar insulating sleeve.
- **N-Type:** Without insulating sleeve.

CONTACT RATINGS

- 4.5 AMPS/250VAC (L Type Bimetal) 10,000 cycles
- 7 AMPS/250VAC (H Type Bimetal) 3,000 cycles
- UL & C-UL File No. E42562
- EN 60730-2-9 File No. CA02 02987
- EN 60730-2-2 File No. CA02 02988

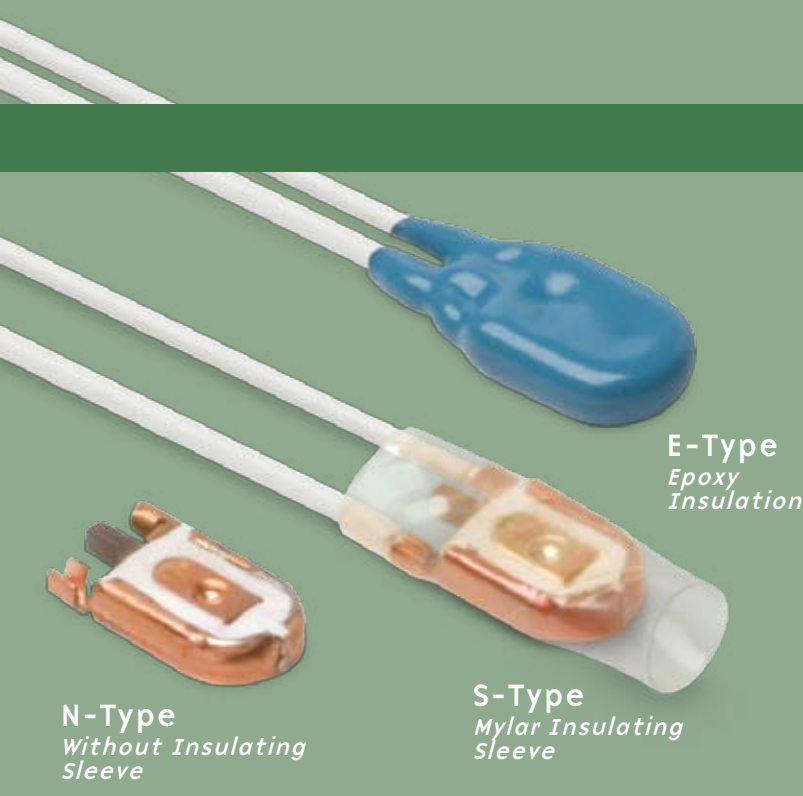
CALIBRATION TEMPERATURE RANGE

- Available from 70°C to 160°C in 5°C increments with a standard tolerance of $\pm 7^\circ\text{C}$. $\pm 5^\circ\text{C}$ available.

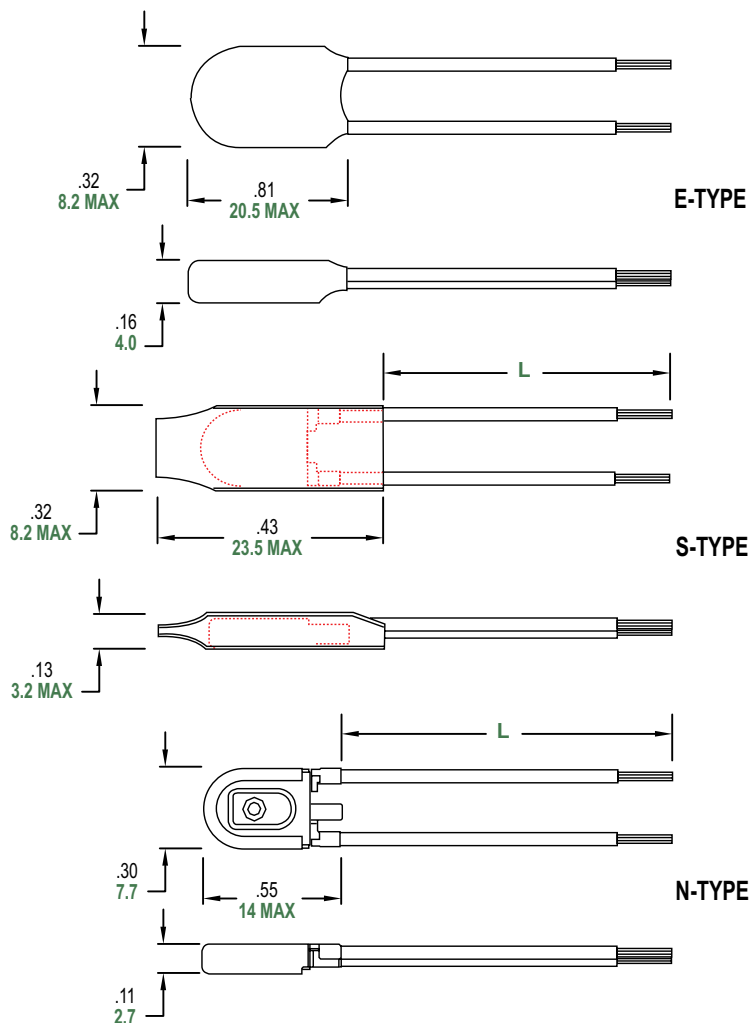
STANDARD CONFIGURATION

- Standard leads are #22 gauge, UL1332 approved, white, FEP insulation, 200°C/300V.
- Different leads available on request.

Maximum lead length for E-Type is 300mm.



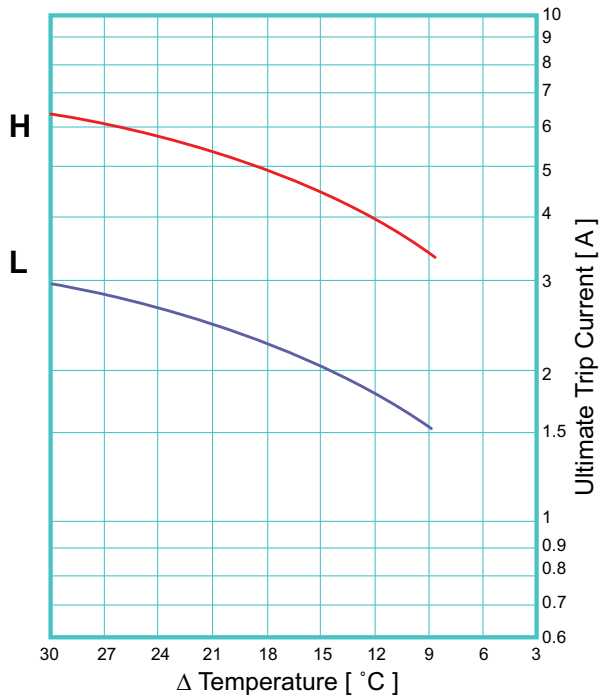
METRIC DIMENSIONS ARE IN MM (SHOWN IN GREEN)



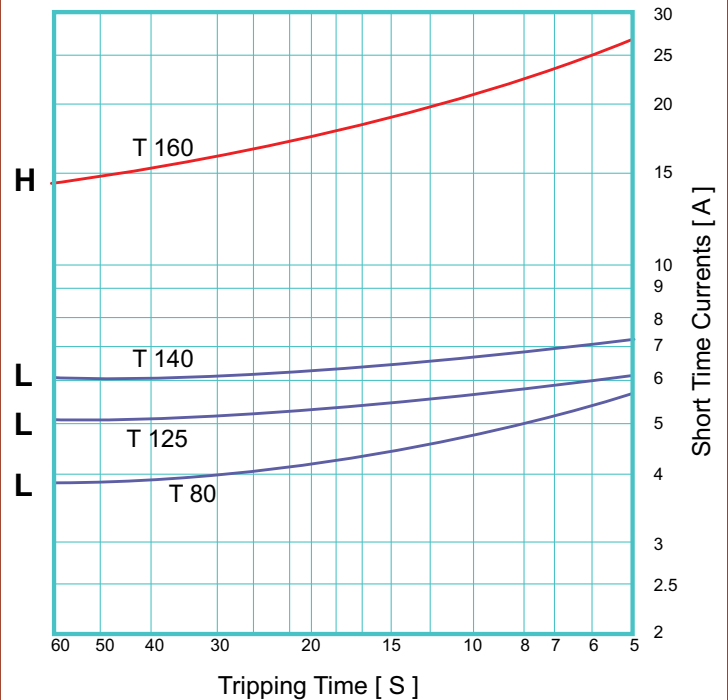
APPLICATIONS

Motors, Transformers, Ballasts, Solenoids and Circuit Board Protection.

Ultimate Trip Current vs Delta Temperature
 (difference between protector temperature and protector ambient temperature)
 Approximate: to be used only for selecting samples.



Average first cycle tripping time vs Current at 25C
 Approximate: to be used only for selecting samples.



MARKING SYSTEM

11MP XXX A YYY - MZZ
 Nominal operating temperature Bimetal Type Lead Configuration Production Date Code

Portage Electric Products, Inc. The Thermal Control Specialists

This sheet contains basic technical and operating characteristic data for our Model 11MP Series. We have presented this data in such fashion, to attempt to provide necessary information for all of the various markets which we serve.

Should you have any questions regarding the use of our Model 11MP devices in your application, please feel free to contact us for additional technical information or assistance.

Since 1963, Portage Electric Products, Inc. has been a world-wide supplier of bimetallic thermostats and thermal protectors. Today, we produce a wide variety of creep-action and snap-action devices for use in motors, transformers and converters, rechargeable battery packs, small and personal care appliances and many other OEM applications.

We come through when the heat is on®



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