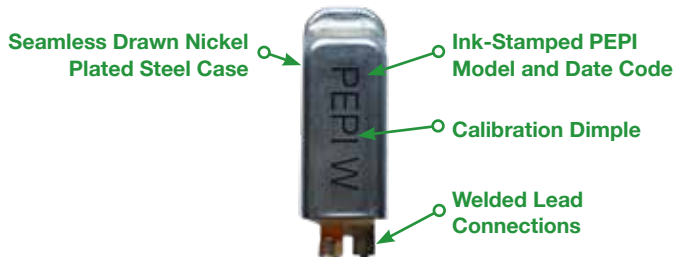




The PEPI® thermal protector with the highest contact ratings.

# MODEL W SERIES

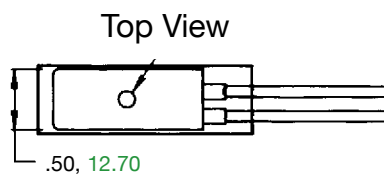
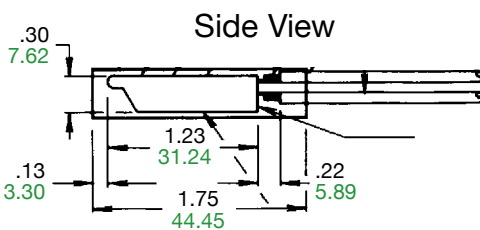
A thermal protector offering both overcharge and short-circuit protection and suitable for use on both inductive and resistive loads. With a wide temperature calibration range, the Model W offers both versatility and easy customization, including insulating sleeves to isolate device from ambient temperatures that can affect performance.



- Customer Specified Lead Length and Insulating Material
- Form Fitting Insulation Sleeve (optional)
- Bimetal Element
- Epoxy Filled

The Model W is normally in the closed position allowing electricity to flow through the circuit. When the circuit load exceeds a preset temperature, the top side of the bimetal element shortens forcing the element to rise and open the circuit. When the circuit cools, the bimetal returns to its normal position closing the circuit and allowing electricity to once again flow.

Feature	Benefit
PEPI® thermal control with highest contact ratings	Brings PEPI® reliability to large motors, transformers and battery chargers.
Conductive bimetal construction	Maximizes current sensitivity under short circuit conditions.
Suitable for AC and DC circuits	Improves versatility and global applications.
Wide differential between opening and closing temperatures	Improves versatility allowing more precise relationship to application needs.
Snap action	Quick make / quick break switching action opens circuit upon reaching calibrated temperature.
Case is electrically live	Insulating sleeves are available for applications where the case must be separated from current.
Epoxy-filled case	Isolates case from circuit improving accuracy since bimetal and contacts are not influenced by extra load from case.
Over-sized fine silver contacts	Maximizes 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 W SERIES

## Contact Ratings

20 amps / 120 VAC resistive

10 amps / 240 VAC resistive

50 amps / 120 VAC inductive

37 amps / 240 VAC inductive

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

## Calibration Temperature Range

Nominal Calibration Temperatures

70°C - 150°C

Reset temperature

Typically 40°-80°C below operating temperature

## 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

## Current Derating Curve

