

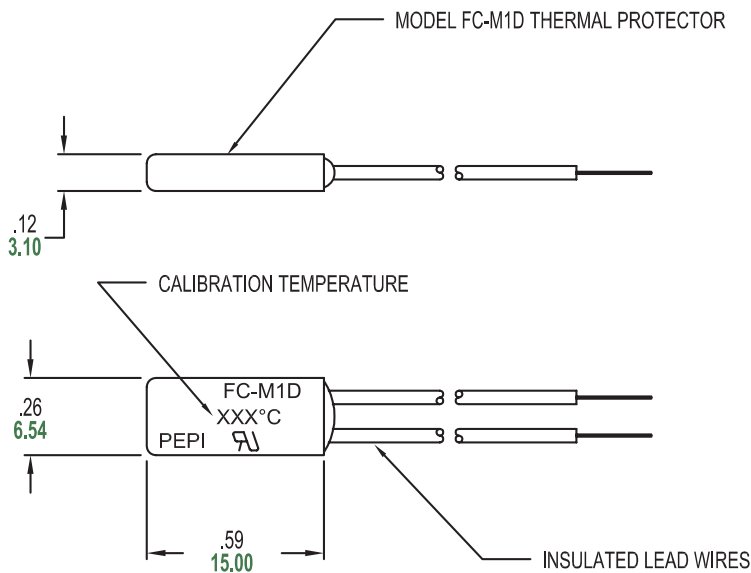


Portage Electric Products, Inc.

VALSTAT™ SERIES



METRIC DIMENSIONS ARE IN MM (SHOWN IN GREEN)



APPLICATIONS

Motors, Transformers, Battery Packs, Lighting Fixtures
Electronic Circuits, Heaters and Automotive

Model FC-M1D Series

Portage Electric Products is offering a new series of economical snap-action thermal protectors designed for a cost effective solution for protection in motor, transformer and lighting applications. Available with various bimetallic elements to match the current sensitivity of the device to the application.

FEATURES

- Snap-action design, quick break/quick make switching action.
- Ultra compact design with a high switching contact rating.
- Conductive bimetal construction: The bimetal carries the circuit current for maximum sensitivity under short circuit conditions.
- Drawn metal case has a low profile design.
- Preset calibration temperature, not field adjustable.
- Available in a low and high bimetal resistance for optimum current and temperature sensitivity.
- Suitable for vacuum impregnation processes.
- Stocking programs available.

CONTACT RATINGS

- 12 AMPS/24 VDC
- 12 AMPS/125 VAC
- 8 AMPS/250 VAC

These ratings are applicable for 6,000 cycles

- UL & C-UL File No. E42562
UL 2111 Standard and CSA C22.2 No. 77-95

CALIBRATION TEMPERATURE RANGE

- Available from 50°C to 150°C
In 5°C increments with a standard Tolerance of $\pm 5^\circ\text{C}$
- Reset temperature approximately 70% of response temperature

STANDARD CONFIGURATION

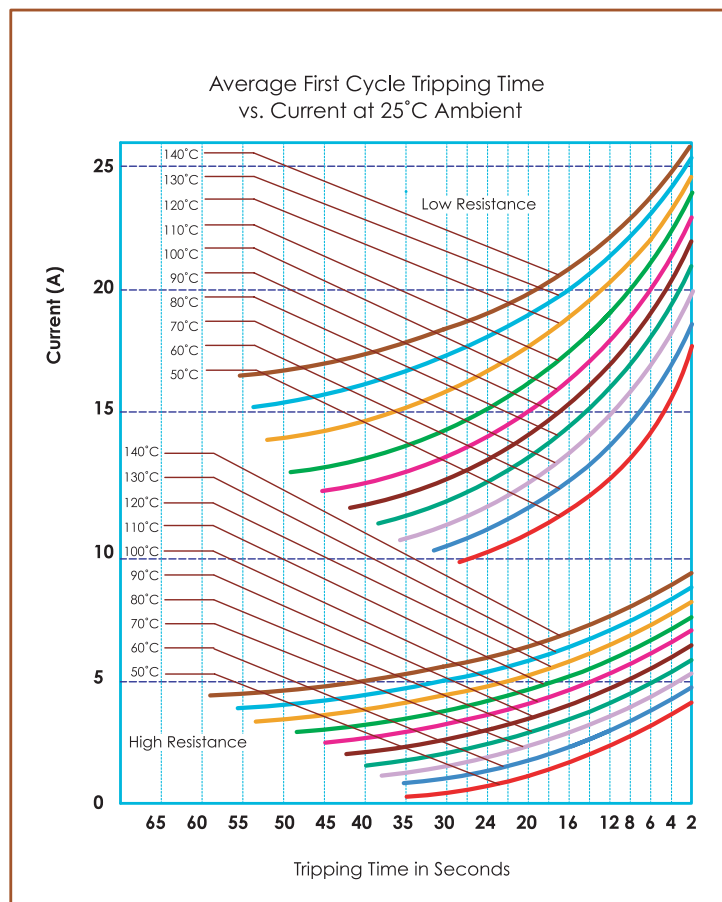
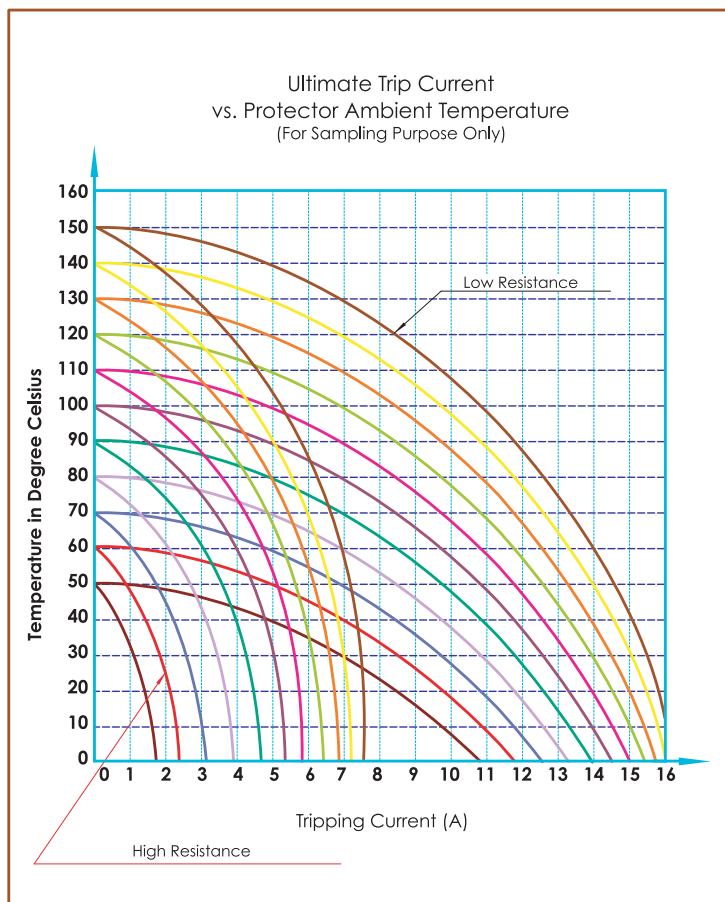
- FC-M1D Protectors are equipped with two 100mm wires stripped 9.5mm, #20 awg. UL 3266 Black XLPE Irradiated 300V 125°C

Model FC-M1D-XXX

- Various insulating sleeves available

Other configurations available, contact factory for further information.

Pepi Model FC-M1D



Portage Electric Products, Inc. The Thermal Control Specialists

This sheet contains basic technical and operating characteristic data for our Model FC 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 FC 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®



Pepi®

Portage Electric Products, Inc.

Copyright 2005, Portage Electric Products, Incorporated, all rights reserved

7700 Freedom Ave. NW, P.O. Box 2170, North Canton, Ohio 44720, U.S.A.

Phone: (330) 499-2727 • 1-888-G04-PEPI • FAX (330) 499-1853 • e-mail: salesinfo@pepiusa.com • www.pepiusa.com