



Model MPS Multi-Probe Monitor/Alarm



FEATURING:

- Easy to read backlit 128x64 graphic display
- Bi-color status LED for each probe
- User adjustable high & low alarm set points
- Adjustable initial alarm delay and relay delay periods
- Alarm test switch
- Standard battery backup
- Standard system SPDT relay output
- Standard 0.1°C display, °F user selectable
- Standard -100°C to +100°C range
Other ranges available
- Min/Max display
- E-mail notification of alarm condition

The basic MPS is a two, three or four probe alarm, covering the range of -100°C to +100°C, with resolution of 0.1 degree, accuracy +/-0.2 degrees. This unit is very flexible, with individual operator programmable set points and alarm activation delay periods for each probe. There is a programmable alarm mute feature to silence the built-in beeper for up to 120 minutes during alarm conditions.

This alarm system has standard features suitable for applications such as built-in monitoring of freezers, cryo-tanks, refrigerators, walk-in environmental chambers, and server rooms. The unit is equipped for E-mail notification of alarms and relay output to remote alarms, building automation systems or automatic telephone dialers.

Optional voltage or current inputs allow the MPS to collect data from a wide array of sensors and transducers for monitoring conditions other than temperature such as humidity, pressure, flow, and gas concentration.

The operating program can be customized to meet additional application requirements.

Connect the MPS to the Hampshire Controls Alert Monitoring System for historical storage of data and detailed reporting.

Available Options:

- Thermocouple, current, and voltage inputs
- Door ajar or other switch inputs
- Several panel and mounting bracket options for wall, cabinet top, or thru-panel mounting
- Able to interface with Hampshire Controls Alert Monitoring System
- 4-20mA or 0-1 or 0-5 voltage output for each probe

*Custom programming and packaging can be provided
to fit most temperature monitoring tasks.*





Power Requirements:

6 volts, DC, 800 mA maximum
100-240 VAC UL listed supply included
Optional 7-24V AC/DC power supply

Battery:

3.7V, 1150 mAh Li-polymer cell with built in
constant-current/constant voltage charger with
automatic recharge

Standard Sensor:

100 ohm RTD with 4" s.s. sheath & 10' Teflon lead

Temperature Ranges:

-100°C to +100°C / -148°F to +212°F
(other ranges per special order)

Resolution:

0.1°C

Accuracy:

+/-0.2°C

Other Sensor Options:

Humidity, O₂, CO₂, Pressure
Other RTD's
Thermocouples
0-5 volt or 4-20mA current input
Switch input

Mechanical:

Case is black bakelite, 7"w x 4"h x 2"d
Wall or cabinet top mount with bracket or flush
mount

Output Options:

Wi-Fi (802.11 bg)
Ethernet Interface (10/100)
Isolated 4-20mA current, 0-1 or 0-5 volt

*Custom ranges, sensors and outputs can be provided
(Consult Hampshire Controls)*

There is a one-year warranty on all Hampshire Controls products.

Hampshire Controls Corp. is a Woman Owned Small Business

About Our Company

Started in 1975, Hampshire Controls provides standard and custom designed electronics to the biomedical and industrial markets. In addition to the Model MPS, other products include:

- 140 Single Probe Temperature Monitor
- LD-215 LN₂ Level Detector/Alarm
- TC-12 Rapid Response TEMP-CHECK
- Wireless or Wired Multi-point Alert Monitoring System (AMS)
- Air Flow Monitors
- Custom Microprocessor Assemblies
- ADM Alarm Delay Module/Remote Alarm
- Regulated Output Phase Control
- Isolated Input Line Voltage Controls
- LN₂ & CO₂ Freezer Backup Alarm Systems
- TT-150 battery operated WiFi temperature transmitters

