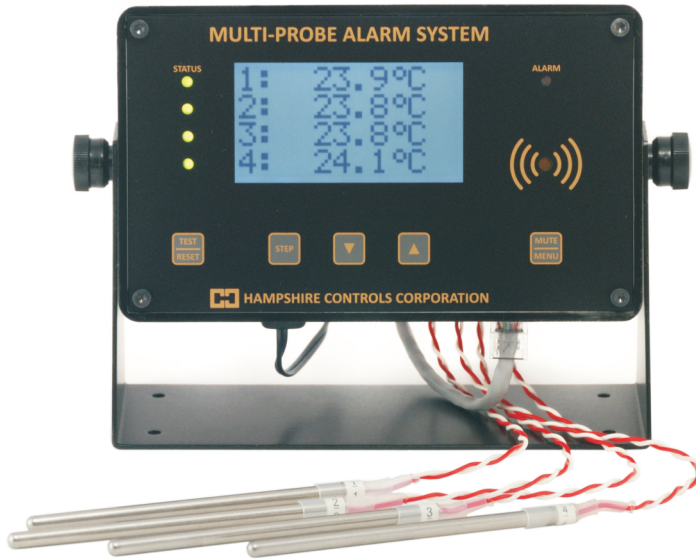


# Model MPS Multi-Probe Monitor/Alarm



## **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 SPDT relay output for each probe
- 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 instrument has a number of standard features suitable for built-in monitoring of freezers, refrigerators and walk-in environmental chambers; such as E-mail notification of alarm conditions, SPDT relay contacts with adjustable delay period for hook-up to a remote alarm device, building automation system or telephone dialer, and battery back-up for up to 8 hours of continuous monitoring during power outages.

The operating program can be customized, to modify the standard alarm sequence logic, as in air and product probes for biological or blood storage applications.

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

## **Available Options:**

- Thermocouple and voltage inputs
- Humidity sensor input
- 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.***

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## Power Requirements:

6 volts, DC, 800 mA maximum  
100-240 VAC UL listed supply included

## 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:

Other RTD's  
All Type 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:

WiFi Output  
Ethernet Interface  
Isolated 4-20mA current, 0-1 or 0-5 volt  
Custom ranges, sensors and outputs can be provided  
(Consult Hampshire Controls)