



# Model MPS HT Series Temperature & Humidity Monitor/Alarm



## STANDARD FEATURES:

- 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/Relay Test Feature
- Battery backup
- System SPDT relay output
- -100°C to +100°C range (-148°F to +212°F)  
Other ranges available
- 0.1° resolution, °C or °F user selectable
- Retrievable Min/Max memory on display
- E-mail notification of alarm condition

The MPS HT Series is a two, three or four probe alarm, covering the range of -100°C to +100°C, with resolution of 0.1 degree, accuracy +/- .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 featured above utilizes dual sets of 100 ohm RTD probes and relative humidity sensors suitable for monitoring temperature and humidity in two CO2 incubators. The unit is equipped for E-mail notification of alarms and relay output to remote alarms, building automation systems or automatic telephone dialers.

Other applications for this product include monitoring environmental rooms, stability chambers and server rooms. The operating program can be customized to meet additional application requirements.

As with our entire family of products, connect the MPS to the Hampshire Controls Alert Monitoring System for historical storage of data and detailed reporting.

## Available Options:

- 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.*

www.hampshirecontrols.com



**Power Requirements:**

15 volt, DC, 1.2A 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  
Range: -100°C to +100°C/-148°F to +212°F  
Resolution: 0.1°C  
Accuracy: +/- .2°

**Humidity Sensor:**

Range: 5-95% non-condensing  
Accuracy: +/-4%  
Repeatability: +/-1%  
Operating Temp. Range: -25°C to +85°C

**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:**

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

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

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*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

