

TEMPERATURE GUARD™ MODEL VM500-3**TEMPERATURE, HUMIDITY, AND POWER MONITOR AND AUTODIALER****General Description**

The Temperature Guard is a complete temperature, humidity (-HT option only), and power monitor and autodialer in a desktop enclosure.



The Temperature Guard monitors the temperature, humidity (optional), and power wherever it is located. If the temperature or humidity goes out of limits, or the power fails, the Temperature Guard will call and alert you.

Features

- Built in temperature sensor
- Built in humidity sensor (-HT option only)
- Programmable high and low temperature and humidity limits
- Stores high and low temperature extremes
- Pager compatible, leaves call back number on numeric pagers
- Calls up to four programmable phone numbers
- Call and hear the temperature and power status any time
- Power monitoring, get a call if the power fails
- Programmed settings are never lost!
- Recordable greeting message
- Rechargeable backup battery (included)

Functional Description**Monitoring**

The Temperature Guard continuously monitors the local temperature, humidity (optional), and power with its integrated temperature, humidity, and power sensors.

Remote Status Checking

The Temperature Guard can be called anytime to check the temperature, humidity (optional), and power.

Emergency Phone Calls

When the temperature or humidity (optional) are out of programmed limits or the power is out, the Temperature Guard will dial all programmed phone numbers until contact is made. If contact has not been made after dialing all phone numbers, the Temperature Guard will wait twenty minutes and then begin calling again. This sequence is repeated until contact is made.

When the Temperature Guard is calling a standard voice number, it will play the recordable alarm message and the current temperature, humidity, and power status. The Temperature Guard will then prompt the user to enter the PIN. When the correct PIN is entered, contact has been made. The Temperature Guard will stop calling until a new alarm condition occurs. If Temperature Guard calls an answering machine or voice mail, the Temperature Guard will leave the warning message and will continue to call.

When the Temperature Guard calls a pager number, it will transmit the programmable Local ID Number, temperature, humidity, and power status to be displayed on the users pager.

Specifications

Temperature Sensing Range:	32°F to 125°F
Temperature Accuracy:	±2°F
Humidity Sensing Range:	0 to 90% RH
Humidity Sensor Accuracy:	±5%RH
Power Requirements:	120VAC at 50/60 Hz wall mount transformer (included) International power supplies available
Material:	Flame retardant ABS plastic, 94-5VA
Dimensions:	Enclosure: 5.00" x 5.250" x 1.630"
Ambient Operating Conditions:	32°F to 125°F
Shipping Weight:	1 lbs
Agency Compliance:	Temperature Guard FCC Approved and Registered Power Supply UL listed

User Programmable Features

Maximum number of programmable callout telephone numbers:	4
Maximum number of digits per callout numbers:	20
Maximum number of digits for programmable Local ID number displayed when calling a pager:	20
Length of recordable Local Identification message:	10 seconds
Range of incoming rings before the Temperature Guard answers:	1 to 20
Number of digits in programmable PIN:	4
Range of programmable temperature limits:	35°F to 125°F
Range of programmable humidity limits:	0 to 100%RH

Factory Settable Features

Maximum power outage alarm time delay:	900 minutes (default 5 minutes)
Maximum time delay between notification calls:	900 minutes (default 20 minutes, factory settable time delay dependent on battery model purchased)

Ordering Options

Option	Part Number Suffix	Description
Humidity Sensing	HT	The Temperature Guard will provide full temperature and humidity monitoring and alarm capabilities.
20 Hour battery backup	B20	The 20 hour battery backup allows the Temperature Guard to make and receive telephone calls in the event of a power outage for up to 20 hours, depending on the number and duration of telephone calls.
30 Hour battery backup	B30	The 30 hour battery backup allows the Temperature Guard to make and receive telephone calls in the event of a power outage for up to 30 hours, depending on the number and duration of telephone calls.