

PROPERTY GUARD™ MODEL VM500-10

- ◆ You need to protect and monitor temperature sensitive areas.
- ◆ You must be notified immediately, day or night when the temperature goes out of limits or if there is a power failure.
- ◆ **The Property Guard is the perfect solution!**
- ◆ The Property Guard monitors eight temperature sensors, doors, and power.
- ◆ The Property Guard will call and alert you when the temperature goes out of limits, a door is left open, or the power fails.
- ◆ Add the DCP-E option to the Property Guard to form a complete monitoring and alarming solution. With the Ethernet Data Collection Package the VM500-10 will call and send emails detailing the problem so you can quickly take corrective actions to avoid an expensive loss of property.
- ◆ The Data Capture Program automatically collects and maintains a log of the data obtained from your Property Guard.

**Features**

- Monitor up to eight temperature sensors with a total range from -40°F to 212°F
- Calibrated Range is from 32°F to 147°F
- Program high and low temperature limits and an “out of limits” time delay for each sensor.
- Program the Property Guard easily and conveniently over the telephone following voice instructions. Programming is password protected.
- The internal buzzer and alarm relay are used to alert onsite staff when a problem occurs so they can take immediate action.
- View real time status on the LCD display.
- The four hour rechargeable battery backup allows the temperature to be monitored during a power loss.
- No need to install additional phone lines, the Property Guard can share the phone line with faxes and other devices.
- Maintain temperature records in electronic format with the optional DCP-E Package.

The Property Guard makes solving problems quick and easy:

- The programmable Callout Time Delay gives local personnel time to react before alarm notification phone calls are made.
- Receive a phone call or pager message if the temperature goes out of limits, a door is left open or if there is a power failure.
- The recordable Unit Identification Message quickly identifies the location of the Property Guard.
- The recordable Sensor Identification Message allows personnel to easily locate the problem.
- The Alarm Reminder Time Delay repeats the alarm notification phone calls if a problem still exists after this programmable time has expired.

User Programmable Features

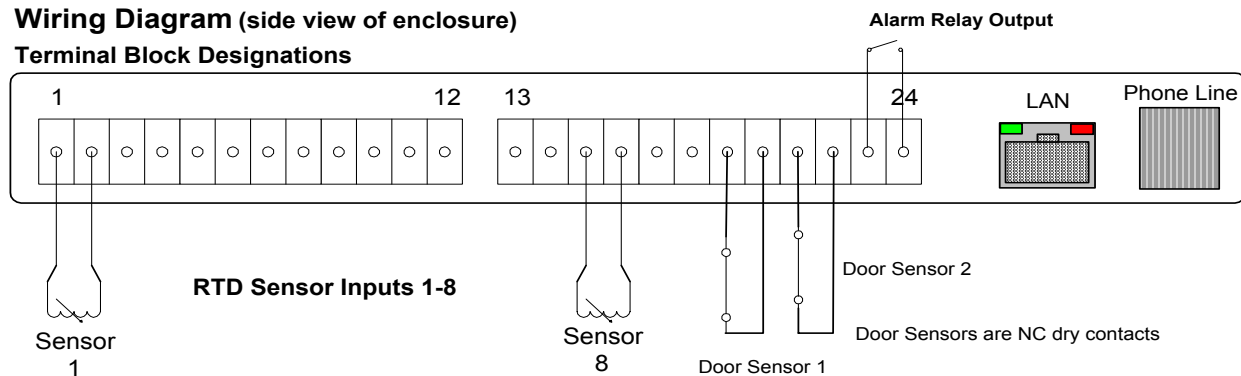
Number of programmable emergency phone numbers: 4
 Number of digits for each phone number: 20
 Number of digits for the Local ID which is displayed when calling a pager: 20
 Recording time for the Local Identification message: 5 seconds
 Programmable range of incoming rings before the Property Guard answers: 1 to 20
 Number of digits in programmable PIN: 4
 All Programmable time delays: 0 to 999 minutes

Specifications

Temperature Measuring Range: -40°F to 212°F, -40°C to 100°C (1° resolution)
Temperature Sensor Type: RTD: 2 wire, 1000 ohm, Platinum, .00385 TCR, bullet style
Door Open Inputs: 2 @ 12VDC 10ma source
Outputs:
 Relay: 30VDC 1A contacts
 Alarm Buzzer: 85 dB
Power Requirements: 120VAC at 50/60 Hz wall mount transformer (included)
Electrical Connections: 2 Pluggable 12 position terminal blocks
Material: Flame retardant ABS plastic, 94-5VA
Dimensions: Enclosure: 8.790" x 4.620" x 2.255"
 Mounting Flange Holes: 8.250" x 3.500"
Ambient Operating Conditions: 32°F to 125°F
Shipping Weight: 2 lbs
Agency Compliance: FCC Approved and Registered, power supply is UL listed

Wiring Diagram (side view of enclosure)

Terminal Block Designations



RTD Sensors

Install the temperature sensors in the desired location and run the two conductor cable to the VM500-10. Locate the sensors to yield an average temperature. Avoid placing sensors in air streams. The temperature sensor cable can be extended as required.

Door Sensor Inputs

Connect normally closed magnetic or limit switches to refrigerator/freezer doors. Any number of magnetic switches can be connected in series. The inputs source 12 VDC at 10ma (see the manual for details on programming this input).

PROPERTY GUARD WITH OPTIONAL DCP-E™

- ◆ Property Guard will send alarm emails to notify you if your Temperature Guard detects a problem.
- ◆ Property Guard will maintain a log file of the data collected from your Temperature Guard.
- ◆ Add the DCP-E option to Property Guard to form a complete monitoring and alarming solution. The Property Guard will call and send emails detailing the problem so you can quickly take corrective actions to avoid an expensive loss of property.
- ◆ The Data Capture Program automatically collects and maintains a log of the data obtained from your Temperature Guard.

Features

- View real time data.
- View historical data.
- Automatically sends alarm emails to key personnel that specifies the exact location and cause of the problem.
- Maintains secure data log files for all data.
- Easily create and print graphs over specified time periods for any data.
- Remotely check the real time status with a web browser.

Specifications

LAN:	Ethernet 10Base-T or 100Base-TX (Auto-Sensing)
Transport Protocol:	TCP/IP, UDP
Connector	RJ45
Regulatory Compliance:	FCC Class B compliant — EMC compliant Class B limits of EN 55022:1998 EN55022: 1998 + A1: 2000 + A2: 2003 Class B EN61000-3-2: 2000 Class A EN61000-3-3: 1995 + A1: 2001 EN55024: 1998 + A1: 2001 + A2: 2003 FCC CFR 47, PART 15 SUBPART B CLASS B ICES-003 ISSUE 4: February 2004 CLASS B AS/NZS CISPR 22:2002 CLASS B CISPR22: 1997 + A1: 2000
LED Indicators:	10Base-T connection 100Base-TX connection Link & activity indicator - Full/half duplex
Ambient Operating Conditions:	32°F to 125°F

A Networked Temperature Guard with DCP-E

