

Temp. ALARM :

Property Guard

Model VM500-10

8/1/2012 - David Amato = system not working!

Manual and Installation Instructions

About the Property Guard

The Property Guard is an eight zone temperature monitor and two dry contact input monitor with remote relay control.

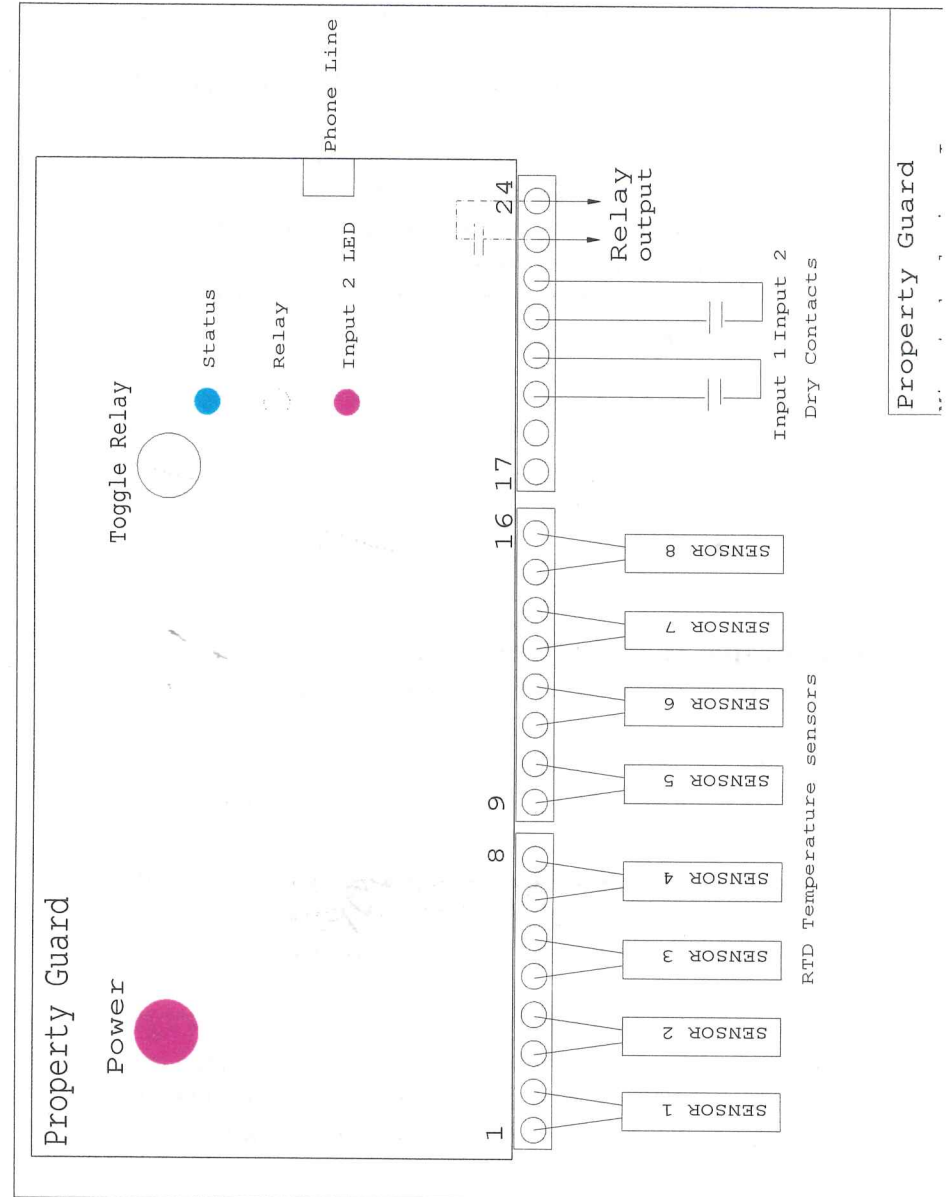
When any temperature zone goes out of its programmed limits, when either dry contact input closes, or when power goes out, the Property Guard will begin making telephone calls to the programmed telephone numbers.

A 5 Amp 120 Volt relay is controllable by the user with a simple phone call to the Property Guard.

Installing the Property Guard

- 1 Select a location with access to power and a telephone line.
- 2 Connect the phone line to an active phone jack.
- 3 Plug in the wall mount transformer into a power socket
- 4 Connect the wall mount transformer power jack to the VM500-10 on the top of the unit.
- 5 For ease of wiring, remove the RTD terminal blocks.
- 6 Wire each RTD to the VM500-10 RTD terminal block. Use the recommended wire gauge specified in Table 1. See Wiring Diagram 1.
- 7 Wire Dry Contact inputs across terminals 19 and 20, and 21 and 22.
- 8 Wire desired output to terminals 23 and 24. Output relay is rated at 3a at 125VAC.
- 9 Turn the power switch located to the left of the display on the front panel.

TABLE 1	
Wire Gauge	Shielded Cable Length (ft)
14 AWG	800
16 AWG	500
18 AWG	310
20 AWG	200
22 AWG	124



Programming the Property Guard

Programming is accomplished over the phone and only has to be done once, unless it is necessary to make a change. Before programming, do the following:

1. Connect a phone line and power, and then turn on the Property Guard.
2. From another phone line dial the number where the Property Guard is located. The device will pick up after the first ring.
3. When prompted, enter the 4-digit PIN number (Factory default PIN number is 0000).
4. You will hear the Main Menu options (you may enter your selection at any time):
 1. Status
 2. Set Limits
 3. Program
 4. Turn on Relay
 5. Turn off Relay
 0. Hang Up

Programming Temperature Limits

Each temperature zone has its own high and low temperature limits.

1. From the Main Menu, press 2 to set Temperature Limits
2. You will hear "Enter Zone"
3. Enter the number of the zone for which you wish set limits (i.e. 1)
4. You will hear the current low limit for that zone (i.e. 45 degrees)
5. You will hear "Press 1 to change"
6. Press 1 to change the limit or press any other button to not change the limit. (If you do not press one, go to step 10)
7. You will hear "Enter number then press pound"
8. Enter the temperature (Valid temperatures are -40° to 212° F), then press #. Use * to designate negative numbers. (-15 would be *15#)
9. You will hear the value you just entered (i.e. 55 degrees)
10. You will hear the current high limit for the selected zone (i.e.

85 degrees)

11. You will hear "Press 1 to change"
12. Press 1 to make a change or press any other button to not change the limit (If you do not press one go to step 16)
13. You will hear "Enter number then press pound"
14. Enter the temperature (Valid temperatures are -40° to 212° F), then press #. Use * to designate negative numbers (-15 would be *15#)
15. You will hear the value you just entered (i.e. 85 degrees)
16. You will be returned to the Set Temperature Limits Menu

Repeat the above steps for each connected temperature sensor/zone.

The following instructions deal with programming items from the Program menu.

To access the Program Menu:

1. From the Main Menu, press 3
2. You will hear the Program Menu options (you may enter your selection at any time):
 1. Primary Number
 2. Secondary Number
 3. Third Number
 4. Fourth Number
 5. Local ID
 6. Recordable Message
 7. Number of Rings
 8. Change PIN number
 0. Exit (return to Main Menu)

Programming Telephone/Pager Numbers

The Property Guard stores up to four (4) emergency telephone or pager numbers. The Property Guard will call each phone number until the PIN number is entered. If Property Guard reaches an answering machine, it will leave your personal identification message, and then the alarm condition, but will continue calling.

First Time Number Programming:

1. From the Program Menu, Select 1 for the primary number, 2 for the secondary number, 3 for the third number, or 4 for

- the fourth number.
2. You will hear *"Enter number then press pound"*
 - 3a. For voice phone numbers enter the full phone number (1 + **area code if necessary**) followed by the # key.
 - 3b. For pager numbers enter * then enter the full pager number (1 + **area code if necessary**) followed by the # key.
 4. You will hear the telephone number you just entered.
 5. You will be automatically returned to the Program Menu

Note about programming telephone/pager numbers:

If an extra delay between digits is required, entering * will provide a two second delay. Do not enter * for the first digit unless programming a pager number.

For example: If an a 9 were required to connect with an outside line, and a delay is needed before the number is dialed: Enter 9, *,5,5,5,1,2,3,4,#

To program the second, third, and fourth numbers repeat above steps, entering 2, 3, and 4 respectively from the program menu.

To Change a Phone Number:

1. Select the appropriate number from the Program Menu
2. You will hear the telephone number for the selected recipient
3. You will hear *"Press one to change"*
4. Press 1 if you want to make a change or press any other button to return to the Program Menu
5. You will hear *"Enter number then press pound"*
- 6a. For voice phone numbers enter the full phone number (1 + **area code if necessary**) followed by the # key.
- 6b. For pager numbers enter * then enter the full pager number (1 + **area code if necessary**) followed by the # key.
7. You will hear the telephone number you just entered.
8. You will be automatically returned to the Program Menu

To Delete a Phone Number:

1. Select the appropriate number from the Program Menu
2. You will hear the telephone number you selected
3. You will hear *"Press one to change"*
4. Press 1 to make a change
5. You will hear *"Enter number then press pound"*

6. Enter the # key
7. You will be automatically returned to the Program Menu

Programming the Number of Rings

The Property Guard answers the telephone line after the programmed number of rings. Valid numbers of rings are 1 – 25.

1. From the Program Menu, press 7 to set the number of rings
2. You will hear the programmed number of rings
3. You will hear *"Press one to change."*
4. Press 1 if you wish to make a change or press any other button to return to the Program Menu
5. You will hear *"Enter number then press pound"*
6. Enter the number of rings, then press #
7. You will hear the number of rings you entered
8. You will be automatically returned to the Program Menu

Recording a Personal Identification Message

When the Property Guard calls out, it first plays a 10 second personal identification message.

1. From the Program Menu, press 6 to record a message
2. If this is the first time setup, go to step 4
3. You will hear the recorded message
4. You will hear *"Press one to change."*
5. Press 1 if you wish to make a change or press any other button to return to the Program Menu
6. You will hear a tone
7. Begin speaking after the tone. The Property Guard will record for about 10 seconds
8. After 10 seconds you will hear the tone again, marking the end of your message
9. You will hear the message you recorded
10. You will be automatically returned to the Program Menu

Programming a Local Identification Number For Pagers

The local identification number is printed on the display of a

pager when the Property Guard calls a pager number. This number can be up to 20 digits long.

1. From the Program Menu, press **5** for the local ID
2. If this is the first time setup, go to step 6
3. You will hear the programmed number
4. You will hear *"Press one to change"*
5. Press **1** if you wish to make a change or press any other button to return to the Program Menu
6. You will hear *"Enter number, then press pound"*
7. Enter the number, followed by a #
8. You will hear the number you just entered.
9. You will be automatically returned to the Program Menu

Programming Your PIN Number

The Property Guard uses a 4-digit PIN number (0000-9999) to identify you when calling the device or during callout procedures. After programming the PIN number write it down here. _____

The PIN number must be 4 digits and must not include a # sign.

1. From the Program Menu, press **8** to change the PIN number
2. You will hear the programmed PIN number
3. You will hear *"Press one to change."*
4. Press **1** if you wish to make a change or press any other button to return to the Program Menu
5. You will hear *"Enter number"*
6. Enter a four digit number (do not put a # anywhere in your pin number)
7. You will hear the PIN number you just entered
8. You will be automatically returned to the Program Menu

What happens when a zone goes out of limits or an input becomes active?

The Property Guard will begin making emergency phone calls.

What happens when the Property Guard calls a voice number?

1. The Property Guard will play the personal identification message
2. The Property Guard will report any alarm conditions (i.e. zone 2 temperature is 44 degrees, zone 5 is 39 degrees, Input 1 is closed)
3. The Property Guard will ask for the PIN number
4. Once the PIN number has been entered, the Property Guard will not call again because the current alarm condition has been acknowledged.

What happens when the Property Guard calls a pager?

1. The Property Guard will print the Local Identification number on the pager screen
2. The Property Guard will continue to call the pager until either:
 - The alarm condition goes away OR
 - The Property Guard is called and the PIN number is entered

What happens if I call the Property Guard while an alarm condition exists?

1. You will hear either "Zone X is XX degrees" and/or "Input 1 is closed" and/or "The power has been out for X hours and X minutes"
2. You will hear "Enter your PIN number"
3. If the PIN number is entered, the Property Guard stops making emergency phone calls.
4. If the PIN number is not entered, the Property Guard contin-

ues dialing the emergency phone numbers.

Calling the Property Guard to hear the temperature and power status

1. Call the Property Guard.
2. The Property Guard will report the following:
 - Any "out of limit" temperature zones and their current temperature
 - Any active input
 - The status of the power

To check the temperature of any zone

1. Call the Property Guard
2. Enter you PIN number
3. From the main menu press **1**
4. You will hear "*Enter Zone*"
5. Enter the number of the zone you wish to hear (i.e. 1)
6. You will hear the current temperature of the zone and its highest reading and lowest reading. To clear the high and low reading remove the RTD sensor for at least 30 seconds.
7. If you wish to hear a full report of all zones press **9**.

To check the status of the Inputs and the power

1. Call the Property Guard
2. Enter you PIN number
3. From the main menu press **1**
4. You will hear "*Enter Zone*"
5. Enter *****
6. You will hear the status of the inputs and the power

Connecting the Property Guard to a Phone Line which has a fax or answering machine connected to it

Program the Property Guard to answer after one more ring than the other device. This allows the other device to always answer first.

To call and access the Property Guard

1. Dial the phone number
2. Hang up one ring before the other device answers.
3. Wait no longer than 30 seconds, then dial the phone number again.
4. The Property Guard will answer.

Example:

A fax machine on the same line as the Property Guard is set to answer after 4 rings.

The Property Guard is programmed to answer after 5 rings.

To access the Property Guard, dial the number, let it ring three times, then hang up. Wait 20 seconds and call again. After two rings, the Property Guard will answer.

Verifying that the Property Guard works with your phone line

To verify that the Property Guard works with your phone line, perform the following test.

1. Using another phone line, call the Property Guard and verify that it answers the phone
2. Program the phone number you are calling from into the first phone number location. (See **Programming Telephone Numbers**)
3. Press '0' twice to exit the Program Menu and hang up the Property Guard
4. Connect a jumper across terminals 19 and 20 (Input 1)
5. The Property Guard will call out because Input 1 is closed

If the Property Guard does not answer the phone

Verify that the phone line is working. Connect a standard phone to the line intended for the Property Guard. Verify that there is a dial tone. Check that the phone line is plugged in securely. Verify that the Property Guard is powered up and the status light is blinking.

If the Property Guard does not call out

Verify that the phone line is good. Connect a phone to the line intended for the Property Guard. Verify that there is a dial tone. Check that the phone line is plugged in securely. Verify that the Property Guard is powered up and the status light is blinking. Verify that the Property Guard is programmed correctly. Call up the Property Guard and verify the programmed phone numbers

For technical support call 1-860-829-2710 8am to 5pm EST M-F.

NOTES:

Limited Warranty:

1. Warrantor: Dealer, Distributor, Retailer, and Manufacturer

2. Warranty and Remedy

We believe that this is a high quality product. Although we test all products for proper functionality, we cannot guaranty that there will never be a defective unit, or that a unit will function on every phone line and all communication equipment in existence. For this reason, it must be clear that the **Warrantors are not insuring your premises or guaranteeing that there will not be damage to your person or property if you use this Product.** If this warranty is unacceptable please return the unused Product for a full refund.

One Year Limited Warranty - Microtechnologies, Inc. warrants its products to be free from defects in material and workmanship under normal use for one year, and is not responsible for consequential damage or installation costs of any nature. In event that the Product does not conform to this Warranty at any time during the period of one year from original purchase date, Warrantor will repair the defect and return it to you at no charge. **Important: The Warranty is limited to replacement of the Product ONLY.** Secondly, because every phone line differs, we strongly encourage you to test this Product in its actual application. This should include a full test, involving the Product actually dialing to its designated location and someone verifying the proper response.

This warranty shall terminate and be of no further effect at the time the Product is 1) damaged by extraneous causes such as fire, water, lightning, etc. or not maintained as reasonable and necessary: 2) modified: 3) improperly installed: 4) repaired by someone other than the Warrantor: 5) used in a manner or purpose for which the Product was not intended.

WARRANTORS' OBLIGATION UNDER THIS WARRANTY IS LIMITED TO REPAIR OR REPLACEMENT OF THE PRODUCT ONLY. THIS WARRANTY DOES NOT COVER PAYMENT OR PROVIDE FOR THE REIMBURSEMENT OF PAYMENT FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

It must be clear that the Warrantors are not insuring your premises or guaranteeing that there will not be damage to your person or property if you use this Product. The Warrantors shall not be liable under any circumstances for damage to your person or property or some other person or that person's property by reason of the sale or use of this Product, or its failure to operate in the manner in which it is designed. The Warrantor's liability, if any, shall be limited to the original cost of the Product only. Use of this Product is at your own risk.

3. Procedures for obtaining performance for Warranty:

In the event that the Product does not conform to this Warranty, the Product should be shipped or delivered freight prepaid to a Warrantor with evidence of original purchase. If in any way you are not comfortable with the product or its Limited Warranty, we encourage you to return it unused for a full refund.

Installed Options:

20 Hour Backup Battery

30 Hour Backup Battery

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