

Automatic Phone-Out Home Monitoring System

Freeze Alarm

Model Number: THP217

Product Description

This product is intended to monitor homes, cabins, and other premises for low temperature conditions. It is designed to automatically call up to five telephone numbers—such as your cell phone, your cabin phone, your primary residence phone, or a neighbor's phone-- when the temperature drops below 42°F. The temperature sensor is contained within the unit.

The control panel must be located where it has access to an active Touch Tone™ telephone line and a 120-Volt electrical outlet.

Parts List

Automatic Phone-Out Unit
6-Foot phone cord
Wall Anchor Screws (2)

AC/DC Wall Voltage Adapter
Plastic Wall Anchors (2)
Telephone splitter adapter

Tools & Supplies Required to Install

#2 Phillips screwdriver
3/16" drill bit and drill
9v alkaline battery

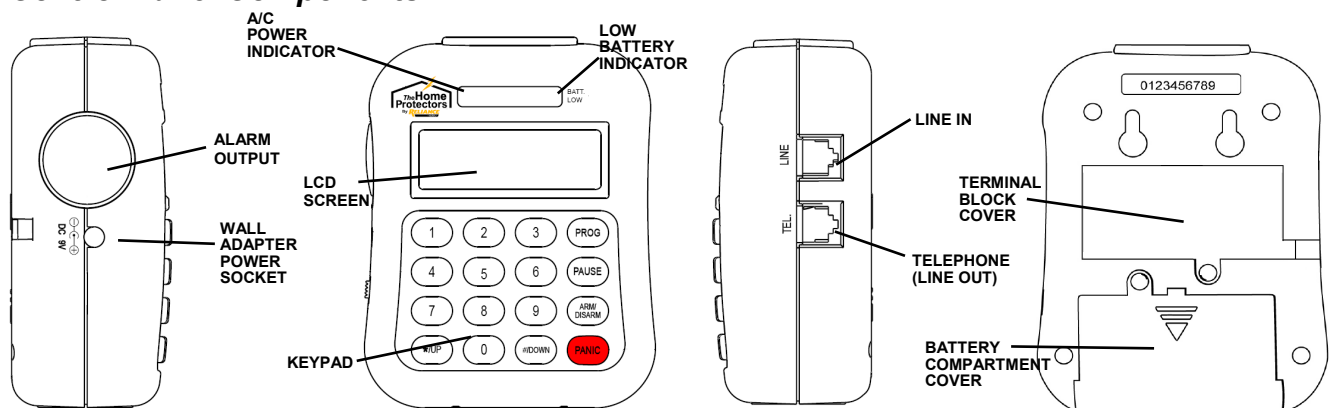
System Features

- Installs in minutes
- Audible tone played on any telephone alerts user to temperature problem
- Will call up to five programmed telephone numbers when an alert condition occurs
- Works on Touch Tone™ telephone lines
- Does not interfere with the use of answering machines
- Password-protected ON/OFF feature to disable unit when protection is not desired
- Alert condition indicator light and audible signal when an alert condition is detected
- Red LOW BATTERY indicator light on control panel
- Operates in an ambient temperature range of 32°F to 104°F (0°C to 40°C)
- FCC Approved
- UL Listed wall outlet power adapter

Important Safety Information!

- Read and thoroughly understand the instructions and warranty prior to installation.
- Do not install the system where it would be exposed to rain, direct sunlight, or a heat source such as a radiator, heating duct, or stove.
- The built-in alarm is very loud. Never place your ear close to the unit.
- Proper installation of this unit requires that the system be tested after installation to insure that the unit is compatible with both the outgoing telephone line and the telephone(s) that will be called.
- This unit is an outgoing telephone device only and will not respond to any incoming telephone calls. It is only suitable for single line telephone systems, and is not compatible with FAX machines.
- To eliminate any risk of damage, replace the battery immediately upon activation of the low battery alarm, or after any call-out event.

Control Panel Components



Installation Instructions

1. Remove all packaging.
2. Remove the screw from the battery compartment cover. Install a fresh 9v alkaline battery. Carbon batteries and rechargeable batteries are not recommended.
3. Connect any hardwired accessory devices (sold separately) to the accessory terminal block.
4. Locate a suitable location for the unit, preferably within six feet of both an accessible telephone jack and a 120-Volt electrical outlet. If installing beyond six feet from the telephone jack, you will need to purchase a longer telephone cord. Use anchors if installing into drywall or plaster. For appearance, install as level as possible.
5. Connect telephone cord from wall plate to socket marked "LINE"
6. Connect telephone or answering machine to the socket marked "TEL". **DO NOT** connect a FAX machine to this unit.
7. Plug AC adapter into a 120-Volt electrical outlet. Insert the plug on the AC adapter into the Wall Adapter Power Socket on the side of the control panel housing.

System Programming

When the unit is plugged into the AC adapter and the 9V battery is installed for the first time, a 10-digit display will appear on the LCD screen. This LCD screen and keypad are used to program several of the functions of your alarm, including:

Setting your password

Setting the time and date

Programming the telephone numbers to be called automatically

Deleting or changing a telephone number to be called

Turning the local siren ON or OFF

Turning the automatic calling feature ON or OFF

Setting the number of calling cycles

Panic button operation



NOTE: *When programming any of the alarm functions, if you do not press a key within 10 seconds, the 10-digit display will reappear and you will need to start the setting process over for that particular function.*

1. Setting Your Password

It is recommended that the first thing you do is set your password. This is because entering your password is the first step taken to change any of the alarm settings and to program outgoing telephone numbers: To set your password:

1. Enter the factory pre-set password of 0-0-0 on the keypad
2. Press the PROG button once
3. The word PASSWORD will flash on the top of the screen
4. Press the ARM/DISARM button to confirm that you want to set your password
5. Enter your new password on the keypad (up to 6 numbers)
6. Press the ARM/DISARM button to confirm your password.
7. Press the PROG button seven times to exit the password set-up mode
8. The 10-digit display (Date / Time) will reappear on the "LCD Home Screen"

Once you are finished setting your password, you can now program any of the alarm settings separately, they do not have to be completed in any particular order. Once you enter your password and press the PROG button once, you will enter "Programming Mode". You will see the different words or icons of the various programmable alarm settings across the screen:

PASSWORD **MEMORY**   **CYCLE** **ENTRY** **TIME**

While in "Programming Mode", pressing the PROG button allows you to cycle through each setting word / icon, allowing you to choose which alarm setting to customize. The 1st option, PASSWORD, will always start blinking when you enter "Programming Mode". Each time you press the PROG button, you will see each sequential word or icon start blinking, indicating you can customize the blinking alarm setting. While in "Programming Mode", once you cycle through all the options (pressing PROG button 7 times) it will automatically exit "Programming Mode" and return to the "LCD Home Screen". The "LCD Home Screen" is simply the LCD display showing the date and time in a 10-digit format.

The LCD Home Screen DATE / TIME display format is as follows:

YEAR – MONTH – DAY HOUR – MINUTES (military)

The ARM/DISARM button is important during "Programming Mode". It will usually function as a 'select' or 'enter' button. Pressing the ARM/DISARM button while any of the words or icons are blinking will allow you to 'select' that setting to customize. Referring above to step 1: Setting Your Password, the ARM/DISARM button was pressed to enter the PASSWORD setting. The ARM/DISARM button was pressed again to 'save' the new password.

2. Setting the Time and Date (This is optional. The freeze monitor will still function if you don't set the time and date)

1. Enter your password on the keypad
2. Press the PROG button seven times until the word TIME on the display starts blinking
3. Press the ARM/DISARM button to confirm that you want to set the TIME (and date)
4. The first two digits will flash (This is the year.)
5. Press the UP or DOWN buttons until the correct year appears.
6. Press the ARM/DISARM button again. The next two digits will flash. (This is the month.)
7. Press the UP or DOWN buttons until the correct month appears.
8. Press the ARM/DISARM button again. The next two digits will flash. (This is the day.)
9. Press the UP or DOWN buttons until the correct day appears.
10. Press the ARM/DISARM button again. The next two digits will flash. (This is the hour.)
11. Press the UP or DOWN buttons until the correct hour appears.
12. Press the ARM/DISARM button again. The next two digits will flash. (These are the minutes.)
13. Press the UP or DOWN buttons until the correct minutes appear.
14. Press the ARM/DISARM button to confirm the final date and time.
15. Press the PROG button once to exit the password set-up mode
16. The 10-digit display will reappear on the LCD screen with the date and time you have set.

3. Programming the Telephone Numbers to be Called Automatically

IMPORTANT NOTE: The telephone numbers must be programmed into the monitoring system the exact same way you would dial the number from your landline phone.

The dialing pattern will be 1 + area code + 7 digit number in most cases, especially for long distance numbers. You must have long distance service with your landline telephone provider if you are programming a long distance number into the monitoring system. For local calls, only 7 digits are needed in most cases. Before you program the phone numbers into the THP217, it's a good idea to place a test call (with your landline phone) to the phone number you wish you program, note the dialing pattern used, and program the number into the monitoring system using the same dialing sequence.

1. Enter your password on the keypad
2. Press the PROG button two times, the word MEMORY on the display will flash
3. Press the ARM/DISARM button to confirm that you want to enter the MEMORY setting
4. The number "1" will appear in a black circle on the bottom of the screen. This is the first of 5 possible numbers to be programmed. Pressing the UP or DOWN key on the keypad will cycle through the 5 memory slots.
5. Enter the phone number to be dialed (using the long distance code and area code if necessary). NOTE: A "Pause" can be programmed between numbers if necessary, or when using certain PABX systems. To do this, press the PAUSE button on the keypad before or after any number (example: 9 + PAUSE + phone number). Each "Pause" will delay the dialing for 3.6 seconds. NOTE: The maximum number of programmed digits is 32 (with only the last 14 digits appearing on the display).
6. Press the ARM/DISARM button to confirm and save the phone number.
NOTE: This will SAVE the phone number in memory **location 1**, and you will return to the main programming menu with the word MEMORY blinking again. To exit the Programming Mode, press the PROG button 6 times, or wait 10 seconds. At this time you can choose to program another phone number, or move on to step **5. Turning the Local Siren ON or OFF**.
7. To program a phone number into memory **location 2**, from the LCD Home Screen, enter your password and press the PROG button twice, the word MEMORY will start blinking.
8. Press the ARM/DISARM button to enter MEMORY setting. The phone number previously programmed in memory **location 1** should be blinking. Do NOT press ARM/DISARM, as this will ERASE the number. Press UP or DOWN.
9. To cycle through the 5 different memory locations, use the UP or DOWN buttons on the keypad. As you press the UP button, you will see the memory location number in a black circle at the bottom left corner of the screen (1 through 5). You can now cycle to memory **location 2** and enter the next phone number (see above step 5). When finished, press the ARM/DISARM button to confirm the phone number.
10. Repeat step 9 for memory locations **3, 4** and **5** if applicable.
NOTE: Each time you confirm a phone number into a memory location successfully, you will return to the Programming Menu with the word MEMORY blinking, and the DATE/TIME display across the screen. If the DATE/TIME display is not present after you confirm a number, maybe the number didn't save. You may have to repeat Steps 1 – 4, and when you see the number "1" in the black circle flashing, confirm if the phone number is also flashing. If not, enter the phone number and press ARM/DISARM to save it.
11. Press the PROG button six times to exit the programmed numbers set up mode, or wait 10 seconds.
12. The 10-digit display will reappear on the LCD screen.

4. Deleting or Changing a Telephone Number to be Called

1. Enter your password on the keypad
2. Press the PROG button two times until the word MEMORY on the display starts blinking
3. Press the ARM/DISARM button to confirm that you want to be in the MEMORY setting.
4. The number "1" will appear in a black circle on the bottom of the screen.
5. Use the UP and DOWN buttons to select the phone number to be deleted or changed.
6. Press the ARM/DISARM button once to delete the number. You may then enter a different number in that location if you wish.
7. Press the ARM/DISARM button again when you are through deleting or changing the number.
8. Press the PROG button six times to exit the programmed numbers set up mode.
9. The 10-digit display will reappear on the LCD screen.

5. Turning the Local Siren ON or OFF

The unit has been pre-set at the factory with its integrated 110dB local siren (on the side of the unit) in the ON position.

To turn it OFF:

1. Enter your password on the keypad
2. Press the PROG button three times until the siren icon starts blinking on the display
3. Press the ARM/DISARM button to confirm that you want to be in the siren setting.
4. Use the UP and DOWN buttons to turn the speaker ON or OFF (OFF is designated by an "X" through the siren icon)..
5. Press the ARM/DISARM button once to confirm the selection.
6. Press the PROG button five times to exit the siren set up mode.
7. The 10-digit display will reappear on the LCD screen.

6. Turning the Automatic Calling Feature ON or OFF

NOTE: This feature should always be ON unless you do NOT want the monitoring system to place outgoing calls. When this feature is OFF, the telephone icon with an X through it will appear on the LCD Home Screen. When this feature is ON, this icon will not be visible on the LCD Home Screen. The telephone icon will always have an X through it on in the Programming Menu, even if this feature is turned ON.

The unit has been pre-set at the factory ready to begin automatically calling the programmed telephone numbers when an alarm condition exists, or when testing the unit. To turn this function ON or OFF:

1. Enter your password on the keypad
2. Press the PROG button four times until the telephone icon starts blinking on the display
3. Press the ARM/DISARM button to confirm that you want to be in the telephone setting.

4. Use the UP and DOWN buttons to turn the telephone setting ON or OFF
5. Press the ARM/DISARM button once to confirm the selection.
6. Press the PROG button four times to exit the telephone set up mode.

7. Setting the Number of Calling Cycles

NOTE: During an alarm condition, the monitoring system will call each user-programmed phone number, sound a 30-second alarm tone, and repeat the sequence up to 5 total times (or cycles). This setting determines how many times the monitoring system calls each number in the event of an alarm condition. After the unit calls each phone number, it will cycle through the numbers again based on this CYCLE setting.

The unit has been pre-set at the factory to call the programmed telephone numbers for three cycles. To change to any number of cycles from 1 to 5:

1. Enter your password on the keypad
2. Press the PROG button five times until the CYCLE icon starts blinking on the display
3. Press the ARM/DISARM button to confirm that you want to be in the CYCLE setting.
4. Use the UP and DOWN buttons to select the number of cycles to be called.
5. Press the ARM/DISARM button once to confirm the selection.
6. Press the PROG button three times to exit the cycle set up mode.
7. The 10-digit display will reappear on the LCD screen.

8. Panic Button Operation

The unit's temperature sensor can be overridden by pressing the red PANIC button on the keypad. Pressing this button will sound the siren immediately and the calling cycle will commence after 30 seconds. To reverse the panic button and stop the calling cycle:

1. Enter your password on the keypad
2. Press the ARM/DISARM button

Testing the Programmed Outgoing Telephone Numbers

Once you are finished programming the outgoing phone numbers, you **must** test the Home Monitoring System to confirm that you have entered the telephone numbers correctly and that the unit is compatible with both your telephone line and the telephone(s) being called.

1. Make sure the unit is NOT ARMED, or in "standby mode". Unless you have previously ARMED the unit, it will already be in standby mode. If the unit is ARMED, the word ARM will be displayed at the bottom of the LCD Home Screen. If the unit is in standby mode (DISARMED), the word ARM will not be displayed on the bottom of the home screen.
2. Press and hold the "PROG" key until you hear a beep or click sound, usually it takes about 3-5 seconds. As SOON as you hear the beep, RELEASE the PROG key immediately.
3. After you release the PROG key, quickly press the number of the memory location of the telephone number to be tested (1, 2, 3, 4, or 5) on the keypad. You will see the phone number for that memory location start to dial across the screen, and then begin to blink. This means the unit is calling the phone number that is blinking. That phone number should receive a phone call shortly, and the alarm tone will be heard. The alarm tone will sound for about 30 seconds after the number is dialed. It doesn't matter if the call is answered or a voice mail or answering machine picks up. The alarm is 30 seconds, and a message may or may not be recorded depending on the length of the recording and number of rings.
4. If the phone number is to a remote location, such as a friend or neighbor, notify that person to contact you with the results and confirm the call was placed successfully.

*** IMPORTANT NOTE:** This test call is very time-sensitive regarding how long you hold down and release the PROG button when forcing the test call. Please note, when you hold down the PROG button, as soon as you hear the beep you must release the PROG button immediately. Then press the number key (1, 2, 3, 4 or 5) quickly after the PROG is released. If the PROG button is not released right away, the test call might not work and the unit might ask for a password. If this happens, try holding the PROG button again and releasing it right when you hear the beep. If it still doesn't work, check the MEMORY to confirm the phone number wasn't deleted by accident.

To check the programmed number, enter the password, press PROG twice, if the word MEMORY is flashing, press ARM/DISARM. You should now see the phone number in the first slot, and you can press UP or DOWN to cycle through the memory slots. If the number does not appear, you will have to re-enter the phone number and press ARM/DISARM to save it when finished. If you press ARM/DISARM any time other than right after you entered the phone number, it will ERASE the number.

Arming the System

Once all of the phone numbers have been successfully tested in the above step, the unit is ready to be ARMED and begin monitoring your location. To ARM the system:

1. Enter your password on the keypad
2. Press the ARM/DISARM button.
3. Three short beeps will sound and the word ARM will be displayed on the LCD screen.
4. Another single beep will sound after 60 seconds signaling that the Freeze Monitor is fully armed.
5. To DISARM the unit at any time, enter your password and press the ARM/DISARM button – the word ARM will disappear from the bottom of the LCD Home Screen.

Answering the Alarm

1. When the alarm calls a programmed telephone number and the call is answered, an alarm tone will be heard on the receiving phone. The only way to stop the alarm from calling the remaining numbers is to disarm the unit in person. Appropriate actions should be taken to identify and resolve the problem at the monitoring location.
2. To disarm the system, someone must manually enter your password on the alarm, followed by the DISARM button.
3. When the system is disarmed, one beep will be heard and the ARM icon will disappear on the screen.
4. After the problem is corrected, remember to ARM the unit again by entering the password and pressing the ARM/DISARM button, so that the word ARM is displayed.

Trouble Shooting Guide

1. PASSWORD HAS BEEN FORGOTTEN:
 - Press and hold the PROG button for 2 seconds
 - After a beep, press the PAUSE button
 - Remove the battery and unplug the alarm from the AC adapter
 - After 2 minutes, re-insert the battery and re-connect the AC adapter
 - The pre-programmed password will be erased and the factory set password 0-0-0 will be restored
 - Go through the Setting Your Password steps 1-8 again
2. UNIT WILL NOT ARM OR DISARM:
 - Make certain that the password has been entered properly. If not, reenter the password.
 - If it still doesn't work, reset the password by using the procedure above.
 - When the unit is ARMED, you will see the word ARM on the bottom of the LCD Home Screen.
3. UNIT WILL NOT DIAL OR CONNECT TO A PHONE NUMBER THAT WAS PROGRAMMED

Confirm the phone line is properly connected. The phone line cable should run from the THP217 jack labeled "LINE", directly to the phone line wall jack. Another telephone can be connected to the THP217 in the jack labeled "TEL."

- Confirm the setting AUTOMATIC CALLING FEATURE is ON (STEP 6).
- Confirm the telephone line is in working order.
- Confirm the telephone number(s) are properly stored in the unit. (STEP 3)
- Confirm that the dialing pattern is correct for the programmed phone numbers.
- Try calling the phone number from the landline phone to confirm the dialing pattern and compatibility of the phone number with the landline service.
- For most landline phone companies, you must use an 11-digit dialing pattern for long-distance numbers. (1+area code+7-digit number). For local numbers, you are able to use 7-digits in most cases. Remember to call the number from the landline phone first to check the compatibility.

Frequently Asked Questions

Q. How often should the battery be changed?

- A. It depends on how much the system uses the battery for power. Under normal conditions when premises power is available, the system operates solely from the AC adapter. When the power is out, the system will use the 9-volt battery as its power source to make outgoing calls, and will expire sooner. Even a battery that is not used at all will have to be replaced periodically. The battery should be changed when the low battery led is lit, before leaving the premises for extended periods of time, or after any dial out event has occurred.

Q. Can the control panel be set on a table or floor, rather than mounting it on a wall?

- A. Yes, but care must be taken to assure that it is located where there will be adequate air flow for the temperature sensor to respond to temperature changes.

Q. Can the temperature sensor be remotely located from the unit?

- A. No, the temperature sensor is located internally, the unit itself must be located where the temperature is to be monitored.

Q. Who can I contact if I'm having problems installing or programming the THP217?

- A. Call Reliance Controls @ 800-439-5745, we will be happy to answer any questions and help with any problems.

FCC Conformance

The FCC requires that you connect this device to the nationwide telephone network through a modular telephone jack (USOCRJ11C or RJ11W)

Your telephone company may discontinue your service if your equipment causes harm to the telephone network. They will notify you in advance of disconnection, if possible. During notification, you will be informed of your right to file a complaint with the FCC. If it is determined that your telephone equipment is malfunctioning, the FCC requires that it not be used and that it be unplugged from the modular jack until the problem has been corrected. Repairs to this device can only be made by the manufacturer or its authorized agents or by others who may be authorized by the FCC. For repair procedures, follow the instructions outlined under the Reliance Controls Corporation Warranty.

The REN is useful in determining the number of devices you may connect to your telephone line and still enable the devices to ring when you receive a call. The general rule is that the REN value should not exceed a total of 5.0; however, contact your local telephone company for the specific number in your area. The REN for this device is 0.

Contact/Return Information

Reliance Controls Corporation
2001 Young Court
Racine, Wisconsin 53404
www.home-protectors.com
(800) 439-5745

Reliance will accept warranty returns for repair or replacement within the terms of the warranty below. All units deemed out of warranty will be repaired at prevailing charges. All products being returned to Reliance Controls must have an RGA number given by Reliance Controls customer service. To request an RGA #, call (800) 439-5745. No returns will be accepted without an RGA number.

One Year Limited Warranty

Reliance Controls Corporation ("Reliance") warrants this product to be free from defects in materials and workmanship under normal use for a period of one year from date of purchase, provided the product has been installed and used in accordance with Reliance's instructions and has not been subjected to misuse, alteration, modification, accident, or repair not performed by Reliance. Reliance's obligation under this warranty is strictly limited to repair or replacement of the product only. The cost of labor to remove the product or install a replacement is not included in this warranty. Reliance shall not be liable for any incidental, special, or consequential damages whatsoever, including damage to person or property resulting from the product's failure to operate in the manner in which it was designed. Use of this product is at the risk of the owner. Reliance strongly recommends that this product be fully tested after installation in accordance with these instructions to confirm proper operation and compatibility with your local phone system. Further, this product should be re-tested on a regular basis to insure continued operation. In the event that this product does not conform to this warranty within the warranty period, the product may be returned with dated proof of purchase to Reliance, at the address above, freight prepaid. Upon verification of defect Reliance shall at its sole discretion either repair or replace the defective product. Batteries are not covered by this or any other warranty. The forgoing warranty is exclusive and in lieu of all other expressed or implied warranties if any, including but not limited to implied warranties of merchantability and fitness for a particular purpose. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.