GE Security

NetworX™ Series

NX-148E LCD keypad

User manual

TABLE OF CONTENTS

TABLE OF CONTENTS **2**

INTRODUCTION **4**

GLOSSARY OF TERMS **5**

KEYPAD DISPLAY & LED'S **6**

UNDERSTANDING THE LIGHTS 6

EMERGENCY ACTIVATION KEYS **7**

KEYPAD FUNCTIONS **8**

ARMING YOUR SYSTEM IN THE "AWAY" MODE 8
MAKING THE SYSTEM READY TO ARM 8
ARMING YOUR SYSTEM IN THE "STAY MODE" 9
USING THE QUICK ARM (OPTIONAL) 9
CHANGING MODES WHILE SYSTEM ARMED 10
DISARMING THE SYSTEM 10
CANCEL / ABORT FEATURE (OPTIONAL) 10
BYPASSING ZONES 11
GROUP BYPASS 11
UNBYPASSING 12

ADDING AND CHANGING USER CODES **13**

ASSIGNING USER CODE AUTHORITY LEVELS **14**

OTHER KEYPAD FUNCTIONS **15**

USER MENU 15
VIEW ZONE STATUS 16
SETTING THE KEYPAD TONE 16
VIEW ALARM MEMORY 16
PROGRAMMING PHONE NUMBERS (OPTIONAL) 16
TEST FUNCTION (OPTIONAL) 17
DISPLAY TEST 17
LIGHT CONTROL FOR X-10 DEVICES (OPTIONAL) 17
CHANGE LANGUAGES 18
DETECTOR RESET FUNCTION 18
READING THE EVENT LOG 18
ADJUSTING THE VIEW/BRIGHTNESS OF THE LCD 19
SETTING THE SYSTEM CLOCK 19
TURNING THE DOOR CHIME ON AND OFF 19
WALKTEST 19

PARTITIONED SYSTEMS OPERATION **20**

LIGHTS IN PARTITIONING MASTER MODE 20
DISPLAYS IN PARTITIONING MASTER MODE 21

KEYPAD CONTROL TONES (BEEPS) **23**

SERVICE DISPLAY **24**

APPENDIX A – EVENT LOG 26

APPENDIX B – REFERENCE TABLES 27

INTRODUCTION

This manual is furnished to help you understand your security system and become proficient in its operation. All users of your security system should read and follow the instructions in this booklet and, if possible, practice on the keypad control while your professional installer is on site. Failure to do so could result in the security system not working properly. Please keep this booklet in an accessible location for the life of the security system. If you do not understand any part of this manual you should notify your installing company.

The SECURITY CONTROL PANEL can be turned on (ARMED) and off (DISARMED) by entering a 4 or 6 digit code into the keypad control, which is similar to a telephone keypad. If your security control panel has been so programmed, you may be able to turn on (ARM) your system by simply pressing the [STAY] or [EXIT] key. The system must always be disarmed using a 4 or 6 digit code.

The LCD keypad includes 9 lights and a 32-character liquid crystal display and a built-in electronic sounder. These provide specific information relating to the status of the security system which is described in the booklet. Understanding what the lights and sounds mean will help you to easily operate your system.

Keep in mind, the level of security you will obtain with this system relates specifically with two major factors:

1. The quantity, quality and placement of security devices attached to this system.
2. The knowledge you have of the security system and how that knowledge is utilized in a weekly test of the complete system.

You should be aware of the following facts when preparing a safety/security plan for your home/business:

1. Your security system is an electronic device and is subject to failure or malfunction. Do not rely on it as your single source of security.
2. Your system should be tested weekly.
3. Your system will not work without power.
4. Warning devices will need to be loud enough, wired correctly, and properly placed to provide notification of an alarm event.
5. Smoke and heat detectors may not detect heat and smoke in all situations.
6. Use qualified security professionals to install and maintain your security system.
7. It may be possible to arm the security system without the backup battery connected. Your periodic test should be done with AC Power removed to verify the battery is connected and adequately charged.
8. Care should be taken to plug in and restrain the AC transformer after testing.

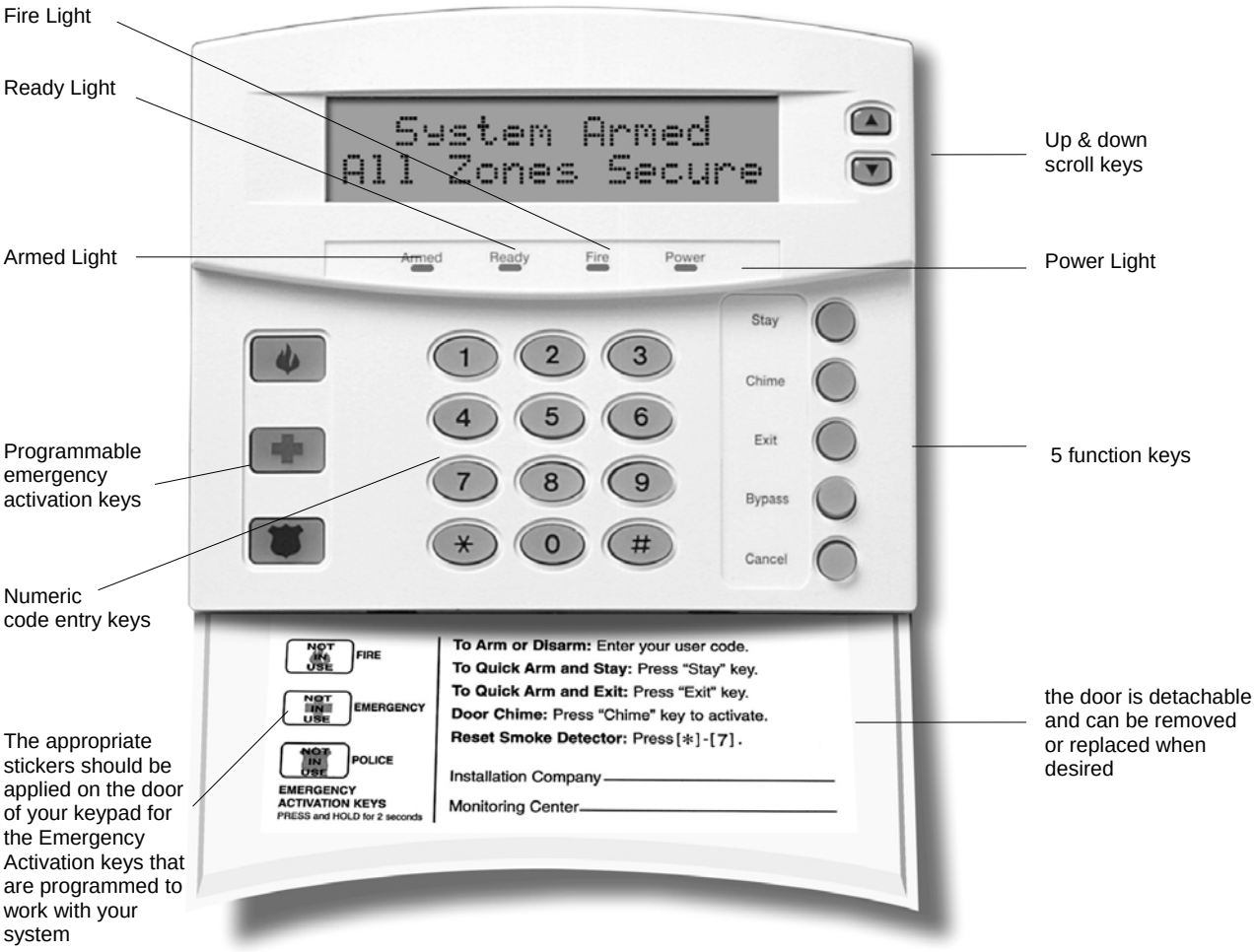
Please read the following information and instructions carefully before operating your security control system.

GLOSSARY OF TERMS

Abort Delay	An option that allows a delay in reporting to the central station.
Authority Level	The level of access an individual has when using an alarm panel.
Central Station	The location where alarm data is sent during an alarm report**.**
Chime Feature	An option that allows the keypad to sound a ding-dong whenever an entry/exit door is opened.
Codes	Can be either User Codes (relating to a person) or Function Codes (a toggle switch to turn specific functions on/off). NOTE: A system may have either four-digit codes or six-digit codes, but not a mixture of the two.
Duress Code	An option that allows a special code to be sent to the central station that indicates the alarm system is being operated under duress.
Forced Arming	An option that allows the system to be turned on (ARMED) with one or more zones open. A system that is ready to be "force armed" will flash the *ready* icon. (Note: Those zones that are not ready will not create an alarm.)
Function Code	A Function Code is either a four (4) or six (6) digit code that has been programmed by the installer to operate a device.
Group Bypass	An option that allows the user to bypass multiple zones with a single operation.
Instant/Delay	An option that allows an instant alarm condition for Entry/Exit doors, or grants a delay to allow someone to enter/exit the building without an alarm, or before entering a user code to disarm.
Master Code	A master arm/disarm code that can program other user codes.
Partitioned System	A system divided into multiple areas in which its own user or users control each area.
Perimeter	The outer edge of the protected area.
Quick Arm	An option that allows you to turn on (ARM) the security system by pressing either the [**STAY**] or [**EXIT**] key on the keypad control (for ARMING only) as programmed by the installing company.
User Code	A four (4) or six (6) digit entry code used to arm or disarm the system.

KEYPAD DISPLAY & LED's

Understanding the lights



Armed Light The *armed light* is "on" when the system is armed. The *armed light* is "off" when it is disarmed. The *armed light* will flash when there has been an alarm during the previous arm cycle.

Bypass Light The *bypass light* is "on" when any zone in this keypad's partition is bypassed. If the *bypass light* is "off", no zones are bypassed.

Cancel Light The *cancel light* will flash during an abort delay time. Entering a code followed by the [**CANCEL**] key during or after an alarm report to the central station will cause the *cancel light* to come on. It will stay on until the central station has received the cancel report. **NOTE: The cancel feature must be enabled.** (See "Cancel/Abort Feature")

Chime Light The c*hime light* is "on" when the chime feature is "on"; "off" otherwise.

Exit Light The *exit light* is "on" during the exit delay. Please note that the light will flash during the last 10 seconds of the exit delay as a warning that the time is running out. (The user may want to disarm the system if the *exit light* is flashing in order to prevent an alarm. The user may then re-arm the system and exit before the delay expires.)

Fire Light A steady *fire light* means a fire zone has been faulted. A rapidly flashing *fire light* means that a fire zone is in a trouble condition.

Power Light The *power light* is on if the primary power is on. The *power light* will flash if the system has a low battery condition.

Ready Light The *ready light* is "on" when the system is ready to arm and "flashes" if ready to force arm. The *ready light* is "off" when the system is not ready to arm because of a zone(s) being faulted.

Stay Light The *stay light* is illuminated when all interior zones are bypassed.

Instant Message The LCD display will read "Instant" when the entry/exit door(s) have no delay. (See "Arming System in Stay Mode") The doors can be changed from instant to delay (toggled) by pressing the [**STAY**] key when the system is armed.

EMERGENCY ACTIVATION KEYS

NOTES: You must hold these keys for 2 seconds to activate these functions. Your system may not be programmed for these activation keys. You should press these keys only in an emergency situation that requires response by emergency personnel. If your system is programmed for these functions, the following reports can be sent.

Fire Key – This key can activate the fire alarm when pressed for two seconds. If your system is connected to a monitoring center, an emergency report could be sent to that center.

Auxiliary Emergency Key – This key can activate the auxiliary alarm when pressed for two seconds. If your system is connected to a monitoring center, an emergency report could be sent to that center.

Police (Panic/Hold-Up) Key - This key can sound a local audible alarm when pressed for two seconds. If your system is connected to a monitoring center, an emergency report could be transmitted to that center. NOTE: Some Panic/Hold-Up alarms are programmed to be silent at the protected site while reporting an alarm to the monitoring center. Check with your installing company to determine how your security system will respond to the Panic/Hold-Up activation.

KEYPAD FUNCTIONS

Arming your system in the "AWAY" mode

AWAY is utilized when the user is going away from the premise and wants the interior protected. Listed below are the steps to arm in the AWAY Mode:

Step 1 Close all protected doors and windows.

- Ready light will be on or flashing when all protected zones and sensors are secure. **NOTE: If any zones are bypassed, a sensor in that zone can be violated without affecting the ready light.**

System Ready
Type Code to Arm

- The security system will not arm if the ready light is off. Refer to "Making the System Ready to Arm" below.

System Not Ready
For help, press →

- If the power light is off, you have no AC power. Restore power if possible. If not, contact your installing company. If the power light if flashing, you have a battery failure. Contact your installing company.

Step 2 Enter your 4 or 6 digit user code to arm the system.

- The armed and exit lights will illuminate.
- You may now leave the building.

System Armed
All Zones Secure

IMPORTANT!
The *exit light* will flash rapidly for the last 10 seconds of the exit delay as a warning to the user that the exit time is about to expire. The user may wish to disarm and rearm the system if more time is needed.

Making the system ready to arm

If the ready light is not on or if it is flashing, a zone is not secure. To identify this zone, use the scroll keys **[^]** **[v]** to the right of the display to browse through the zones that are not normal. If you wish to bypass or unbypass one of these zones, press the **[BYPASS]** key while that zone is being displayed. When finished viewing the zones, press the **[#]** key to return to the code entry screen.

Arming your system in the "STAY mode"

STAY is utilized when the user is inside the premise and wants protection around the perimeter. The steps to arm in the STAY Mode are as follows:

Step 1 Close all protected doors and windows.

- Ready light must be on or flashing when all protected zones and sensors are secure. **NOTE: If any zones are bypassed, a sensor in that zone can be violated without affecting the ready light.**
- The security system will not arm if the ready light is not on or flashing.
- If the power light is off, you have no AC power. Restore power if possible. If not, contact your installing company for service. If the power light is flashing, you have a battery failure. Contact your installing company for service.

System Ready
Type Code to Arm

Step 2 Enter your 4 or 6 digit user code. (Optional, if programmed.)

- If "Auto Bypass" is enabled, all interior zones will be bypassed if you do not leave through a designated entry/exit door. If Auto Bypass is enabled, omit Step 3.
- When "Auto Instant" is enabled, if you do not leave through a designated entry/exit door, the display will read "*Instant*", indicating that the entry/exit doors no longer have an entry delay. If "Auto Instant" is enabled, omit Step 4.

Step 3 Press the **[STAY]** key.

- The bypass light will illuminate indicating that designated interior zone(s) are bypassed. (All interior devices will bypass automatically, giving the user freedom of movement within the interior area.)
- The stay light will also illuminate. **NOTE: Normally, all entry/exit doors are delayed.**

Step 4 To toggle from a "delayed entry mode to "Instant" mode, press the **[STAY]** key again. The LCD display will read "Instant" meaning the entry/exit doors do **NOT** have an entry delay.

System Armed
Instant

Using the Quick Arm (optional)

The Quick Arm feature may be used if it is enabled. Quick Arm will allow the user to arm the security system in the AWAY mode by pressing the [**EXIT**] key, or arm in the STAY mode by pressing the [**STAY**] key. This feature is used for ARMING ONLY, and will not disarm the security system. This is ideal for a maid or baby sitter code, etc.

Changing modes while system armed

Step 1 Pressing the **[STAY]** key will turn on/off (toggle) a delay on Entry/Exit doors and turn on/off (toggle) the "INSTANT" message.

Step 2 **(Optional, only possible if "bypass toggle option" has been programmed by your installer)**
Press the **[BYPASS]** key at this time to turn on/off (toggle) all designated interior zones.

Step 3 **(Optional, only possible if "re-exit option" has been programmed by your installer)**
When armed, pressing the **[EXIT]** key will start the Exit delay, enabling you to leave the building.

IMPORTANT!
The *instant light* needs to be off at this time if you plan on re-entering the building, otherwise you will create an alarm. You may re-initiate an entry/exit delay by pressing the [**STAY**] key again. The *instant light* will go out.

Disarming the system

When you enter the protected area through one of the designated Entry/Exit doors, the keypad control will sound a continuous tone for the duration of the entry delay time, or until you enter a valid code.

Type code to Disarm

- Enter a valid user code.
- The red armed light will go off and the tone will stop. The security system is now DISARMED. If a valid code is not entered before the end of the entry delay, an alarm will occur.

NOTE: If the red armed light is flashing during the entry delay, the alarm system has been activated in your absence. Leave the building immediately and call your alarm company and/or the police from a safe location.

CANCEL / ABORT feature (optional)

The *cancel light* will flash during an abort delay time. If a code is entered followed by the [**CANCEL**] key while this light is flashing, all abortable reports will stop the communication process. **NOTE: The abort feature must be enabled**. Entering a code followed by the [**CANCEL**] key during or after an alarm report to the central station will cause the *cancel light* to come on. It will stay on until the central station has received the cancel report. **NOTE: The cancel feature must be enabled.**

Bypassing zones

If you wish to bypass one or more zones, this must be done while the system is in the disarmed state. To bypass zones, two procedures are possible:

Procedure #1: If you know the number of the zone to bypass, use the following steps:

Step 1 Press the **[BYPASS]** key.

Step 2 When the LCD prompts for a code (optional, if programmed), enter your user code.

Step 3 The bypass light flashes.

Step 4 Enter the zone number (each time 2 digits) of the zone(s) that must be bypassed. (Example: to bypass zones 4 en 5, press [0][4][0][5].)

Step 5 Press the **[BYPASS]** key again.

Step 6 The *bypass light* will stop flashing and will illuminate.

Step 7 Pressing the **[^] [v]** scroll keys will display all bypassed zones. Press the **[#]** key to exit this viewing mode.

Procedure #2: If you do not know the number of the zone you wish to bypass, use the following steps:

Step 1 Press **[*] [^]**. The description for zone 1 will be displayed.

Step 2 Use the **[^] [v]**scroll keys to browse through the custom descriptions for the zones in this system.

Step 3 To bypass or unbypass a specific zone, press the **[BYPASS]** key while that zone is displayed.

Step 4 When finished, press the **[#]** key to return to the code entry screen.

NOTE: All zones will automatically be unbypassed each time the system is disarmed.

Group bypass

Step 1 Press the **[BYPASS]** key.

Step 2 When the LCD prompts for a code (optional, if programmed), enter your user code.

Step 3 The bypass light flashes.

Step 4 Press **[0][0]**.

Step 5 Press the **[BYPASS]** key again.

Step 6 The *bypass light* will stop flashing and will illuminate.

Step 7 Pressing the **[^] [v]** scroll keys will display all bypassed zones.
Press the [#] key to exit this viewing mode.

NOTE: All zones will automatically be unbypassed each time the system is disarmed.

Unbypassing

Step 1 Press the **[BYPASS]** key.

Step 2 When the LCD prompts for a code (optional, if programmed), enter your user code.

Step 3 The bypass light flashes.

Step 4 Enter the zone number (each time 2 digits) of the zone(s) that must be unbypassed. (Example: to bypass zones 4 en 5, press [0][4][0][5].)

Step 5 Press the **[BYPASS]** key again.

Step 6 The *bypass light* will stop flashing.

NOTE: All zones will automatically be unbypassed each time the system is disarmed.

ADDING AND CHANGING USER CODES

Your system must be **Disarmed** to add/change user codes.

Step 1 Press [✱]-[**5**]

Step 2 Enter a “Master Arm/Disarm Code”.
NOTE: For partitioned systems, someone changing the code of another person must have access to all or more partitions than the user being changed.

Step 3 Enter the 2 digit (applies to NX4/6/8) or 3 digit (applies to NX8E) “user number” (always enter 2 digit such as [**0**] - [**3**] for user 3, or [**1**] - [**0**] - [**0**] for user 100).

The LCD keypad will display the current code for this user. Stars (✱) represent blanks.
Note: To delete a user code, press four times (for a 4-digit code), or six times (for a 6-digit code) the [**Cancel**] key.

Step 4 Enter the new four (4) or six (6) digit “user code”. If you are changing the current code, you may use the up and down scroll keys to select the digit to change and enter the correct number. If it rejects the code because of duplication or such, the sounder will beep 3 times.

Step 5 If another “user code” needs to be programmed, return to Step 2.

Step 6 Press the [#] key while the *ready light* is flashing to exit the User Code Programming Mode.

ASSIGNING USER CODE AUTHORITY LEVELS

Assign authority levels to users by following the steps below. Assign user codes before assigning authority levels. Your system must be in the disarmed state to change user code authority levels.

Step 1 Press [✱]-[**6**].

Step 2 Enter a ["**Master Arm/Disarm Code**"].
NOTE: Someone changing the authority of another person can only add or remove partition authorization for partitions to which they have access.

Step 3 Enter the 2-digit (applies to NX4/6/8) or 3-digit (applies to NX8E) user number. Always use leading zeros when necessary, i.e. "004" for user number 4.

Step 4 The LCD will now prompt you for the attributes in the following chart :

PROMPT	
Outputs used?	**DO NOT CHANGE THIS SEGMENT!**
Open / Close Rprt? **Bypass enable?** **Arm / Disarm?**	**(These are for use by a professional installer only.)**
Master code? **Sched arm only?** **Arm only?** **Reserved**	0=No 1=Yes Your keypress will apply to the user code you entered in Step 3.
Output 4 ? **Output 3 ?** **Output 2 ?** **Output 1?**	If these messages appear on the LCD screen, press the [✱] key until you return to the prompt for the user code or until you exit this adjust mode.

Step 5 **NOTE**: The LCD will now display all of the partitions to which this user has access. If you wish to remove a partition, press the partition number on the keypad, and the display will mark that partition with a (-) hyphen indicating access has been removed. If you wish to re-establish user access to the partition, press the partition number again.

Step 6 Press [✱] to save the data. The LCD will then prompt you for the next user code.

Step 7 If another user code needs to be programmed, return to Step 3. If not, press [#] to exit this feature without saving the data.

OTHER KEYPAD FUNCTIONS

User menu

The LCD keypads /displays have a bilingual user's interface. As a result, you can simply select a user's function on the menu. You can consult the menu by entering the **[✱]** key.

To select a user's function following steps have to be performed.

Step 1 Enter the **[✱]** key. The display will now begin scrolling through a list of functions and the corresponding numbers associated with those functions.

ex.

Select an option **90 = journal**

Step 2 To select the option, you must press the key with the number next to the option (ex. Consulting Log Review = option 90)

If you already know the option (ex. Log Review= 90) you can immediately select the wanted option by pressing the **[✱] [9] [0]** keys. By doing this you don't have to browse through the user's menu.

The following list of menu selections will scroll automatically.

NOTE: Some of the functions are not listed because they are installer level functions. Each time the [✱] key is pressed the next menu item will be displayed. To exit the user's menu, press the **[#]** key.

Option	Description English (1)
⮝ ⮟	Zone Review
0	Set Tone
1	Master Mode
2	Service Check
3	Alarm Memory
41	Telephone # 1
42	Telephone # 2
43	Telephone # 3
44	Test
45	Display test
46	Light Control
49	English (2)
5	User PIN
6	User Authority
7	Detector Reset
90	Log Review
91	View Settings
97	Set Date/Time
Chime	Walktest
EXIT	Silent Exit

View zone status

Step 1 Enter the **[✱]** key followed by the **[⩓]** key. The LCD Screen will display the zone status.

Step 2 Use the up and down scroll keys **[⩓][⩔]** to browse through the descriptions. The LCD Screen will display the list of all zones in sequential order by zone number.

Step 3 Press **[#]** to exit this function.

Setting the keypad tone

Step 1 Press the **[✱]** key followed by the **[0]** key.
Keypad is now in the "Adjust Tone" mode.

Step 2 Press the **[⩓]** up scroll key located on the right side of the display to make the keypad sounder go to higher tones.

Raise tone →
Lower tone →

Step 3 Press the **[⩔]** down scroll key to make the keypad sounder adjust to lower tones.

Step 4 When the desired tone is reached, press the **[#]** key to set this tone and exit from the "Adjust Tone" mode.

View alarm memory

Step 1 Press the **[✱]** followed by the **[3]** key to display the zone(s) on the keypad that created the last alarm
.

1 Alarm Memory
ZONE 1

Step 2 The LCD Screen will display the zone description for those zones.

Step 3 Press [#] to exit the alarm memory.

Programming phone numbers (optional)

If private reporting (voice or siren tone) is enabled, up to 3 phone numbers can be programmed or changed. A telephone number towards a central monitoring station cannot be changed or reviewed.

Step 1 Disarm the system if it is not already disarmed.

Step 2 Press the **[✱]** key followed by **:**
[4] [1] to program/change telephone number 1
[4] [2] to program/change telephone number 2
[4] [3] to program/change telephone number 3

Step 3 The LCD display will prompt you for a code. Enter a master code. If the number cannot be changed, the keypad sounder will produde 3 short beeps.

Step 4 The LCD display will prompt you for a new phone number.

Enter the phone number

Enter phone num.
EEEEEEEEEEEEEEE

Note : - empty location are shown as a “E”. In order to delete a number, you just program all “E”’s. This is done with the **[bypass]** key.
- with the “*” key, the cursor can be shifted to the right without changing the telephone number.

Step 5 When finished, press the [#] key to leave this program mode.

Test function (optional)

If programmed, this function will perform a battery test, communicator test, and/or a siren test.

Step 1 Press **[✱] [4] [4]**. The test will be performed as programmed.

Step 2 If the siren test is performed, enter a user code to silence the siren.

No alarms will be sent and no reports will be sent unless a communicator test is performed, at which time a test signal will be sent.

Display test

The keyboard also provides a testfuntion by the means of which the LCD display and all LED’s are tested.

Step 1 Press **[✱] [4] [5]**. The test will be performed and all of the LCD pixels and LED indicators will flash.

Step 2 Press the **[#]** key to leave the display test.

Light control for X-10 Devices (optional)

This menu allows you to control up to ten X-10 devices from each keypad.

Step 1 Press **[✱] [4] [5]**. The LCD screen will prompt you to “Select Light Number 0 - 9”.

Step 2 Enter the number of the X-10 device you want to control. The LCD screen will show the light number on the left. On the right side of the display it will prompt you to turn the light (X-10 device) “On” or “Off”.

Step 3 Press the **[⩛]** key to turn the X-10 device “On” or press the **[⩓]** keyt o turn the X-10 device “Off”.

Step 4 The LCD screen will again prompt you to “Select Light Number 0 - 9”.

Step 5 Repeat Steps 2 and 3 until complete.

Step 6 Press the **[#]** key to exit from the X-10 menu.

Change languages

This function allows you to switch between the two languages programmed in your keypad.
NOTE: You must exit any other function mode before attempting to change languages.

Step 1 Press **[✱] [4] [9]**. The LCD display switches to the other language.

Step 2 To switch back to the other language, only step 1 has to be repeated.

Detector reset function

This function is used to reset Smoke Detectors and Zone Troubles. Your system must be **Disarmed** to use the Reset function.

Step 1 Press [✱]-[**7**]. Resets have now been performed. The FIRE light will go off if the smoke detectors have been reset.

Step 2 If the keypad begins beeping, the reset did not execute properly. Enter your code to silence the keypad. Wait a few minutes and repeat step 2 to attempt another reset. If the keypad still beeps after repeated attempts, please contact your installer.

Reading the event log

The control panel has an event log that can be retrieved using a master code. This log contains a listing of the events along with date, time, and partition where the event occurred. An overview of possible events can be found in Appendix A of this manual.

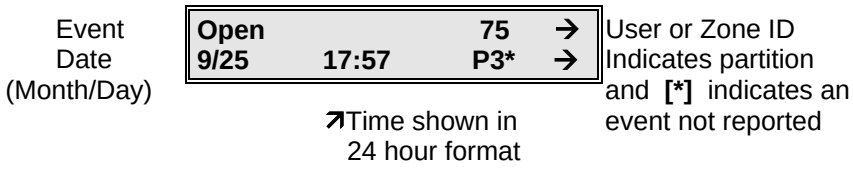
Step 1 To view the log, press **[✱] [9][0]**. The LCD screen will prompt you for a code.

Step 2 Enter your **[master code]**. The LCD screen will now show the most recent event.

Step 3 To view the events from most recent to the oldest, press the **[⩛]** down scroll key.

Step 4 To view the events from the oldest to the newest, press the **[⩓]** up scroll key.

The display contains the following information.



This screen shows an opening of Partition 3 on September 25th at 5:27 p.m. by user 75. The **[✱]** shows that this event is not programmed to be reported to the central monitoring station.

Adjusting the view/brightness of the LCD

Step 1 Enter **[✱][9][1]**. The LCD Screen will prompt for a code.

Step 2 Enter **[master code]**. The LCD will now prompt you to raise or lower the view.

Step 3 Using the **[✱][9][1]**scroll keys to the right of the LCD, you can raise the text or lower the text.

Step 4 To advance to the Brightness option, press **[✱]**. The LCD will prompt you to brighten or dim the LCD lighting.

Step 5 Use the **[⮝][⮟]** scroll keys again to adjust to desired brightness.

Step 6 When completed, exit by pressing **[✱]**.

Setting the system clock

Step 1 Enter **[✱][9][7]**. The LCD Screen will prompt for a code.

Step 2 Enter **[master code]**. The time and date will be displayed with the current hour flashing.

Step 3 Use the **[⮝][⮟]** scroll keys to select the proper hour.

Step 4 Enter the **[*]** key to move to the minutes, day of week, date, month, and year.

Step 5 Repeat Steps 3 and 4 until the entire time and date are set.

Turning the door chime ON and OFF

The door chime feature must be enabled by your installer. The door chime is turned on or off by pressing the **[CHIME]** key. If the chime is on, the chime light will be illuminated. If the chime is off, the chime light will be off. Each press of the **[CHIME]** key will toggle the chime feature on/off and produce a momentary ding-dong sound.

Walktest

The possibility exists to do a walktest of the system. This means that all zones, activated during the walktest mode, will activate the “ding-dong” chime and will be filed into the memory of the control panel.
In this way the user can test his system completely :

Step 1 Enter **[✱][Chime]** : the LCD screen will prompt you for a “master code”.

Step 2 Enter a **[Mastercode]** : the screen will display the message “walktest mode”.

Step 3 Activate all sensors to be tested. Each activation of a sensor is confirmed with a “ding-dong” sound. The zonetexts of the sensors who have reacted, are displayed one by one on the screen.

Step 4 Enter a **[Mastercode]** to exit the walktest mode.

PARTITIONED SYSTEMS OPERATION

This system is
- ❑ **multi-partitioned**
- ❑ **not partitioned**

If your system is multi-partitioned and the keypad resides in one partition, your keypad will provide the status of the zones in your partitioning by using the screen messages described earlier in this manual. The Master Mode of operation (if programmed by your installer) allows you to access any partitioning (providing your code is authorized) within the system and perform functions in other partitions.

NOTE: [✱][1] will temporarily access the Master Mode. The keypad will revert back to its assigned partition 60 seconds after a keypress, or 10 seconds without a keypress.

Read the following paragraphs to help you understand the different screen messages that will be displayed from your keypad.

Lights in partitioning master mode

- **ARMED:** will illuminate if ALL partitions are armed.
- **READY:** will illuminate if ALL partitions are "Ready".
  The ready light will flash if all areas are Ready or Force armable.
- **FIRE:** will illuminate if ANY one area has a Fire condition.
  The fire light will flash if ANY area has a Fire Trouble condition.
- **POWER:** will illuminate if the primary power is connected to the control panel.
  It will flash if the system has a low standby battery condition.It will be off if the primary power is absent.
- **STAY:** will illuminate if ANY area has the stay light on.
- **CHIME:** will illuminate if ANY partition is in the "Chime" mode.
- **EXIT:** will illuminate if ANY area is timing an exit delay. It will flash if ANY area is in the last 10 seconds of an exit delay.
- **BYPASS:** will illuminate if ANY area has a zone bypassed.
- **CANCEL:** will flash during an abort delay time. If a code is entered followed by the[CANCEL] key while this light is flashing, all abortable reports will stop the communication to the central station.
  Remark: the dialer abort delay time must be programmed by your installer.

  If a code is entered followed by the [CANCEL] key during or after an alarm report, the cancel light will illuminate and remain constant until the central station has received the cancel report.
  Remark: the cancel feature must be enabled by your installer.

- **SOUNDER:** will sound if ANY area has the sounder on. This includes Entry delay, Exit delay, Chime, and Alarm.

Displays in partitioning master mode

ARMED AND READY STATUS

The LCD screen will display the Armed and Ready status of ALL eight (8) partitions if any or all of the areas is armed or not ready.

Armed	**1234-678**
Ready	**12345678**

This display is reflecting all 8 areas are Ready, and Area 5 is disarmed. **NOTE:** If a number is flashing on the armed line, that area is armed Instant. If a number is flashing on the ready line, that area is ready to be Force Armed.

System Ready **Type code to arm**

If ALL areas are disarmed and ready to arm, this display will appear on the LCD screen.

ARMING AND DISARMING MULTIPLE PARTITIONS

To arm/disarm multiple partitions, enter a code that has arm/disarm authority for ALL of the partitions to be armed/disarmed. The following display will appear on the LCD screen.

1 2 - 4 5 - 7 8	**Disarm →**
- - 3 - - 6 - -	**Arm →**

The numbers on the ***top line*** represent the disarmed areas to which this code has access. The numbers on the ***bottom line*** represent the areas that are armed.

Refer to the following table for possible conditions :

LCD DISPLAY FOR AREA TOP LINE OVER BOTTOM LINE	CONDITION
Blank Blank	Area Not used or Authorized
Dash (-) Dash (-)	Area Not Ready
Flashing Area # Dash (-)	Area Ready to Force Arm
Dash (-) Flashing Area #	Area Armed Instant
Area # Dash (-)	Area Disarmed & Ready to Arm
Dash (-) Area #	Area is Armed

- To disarm all of these areas, press the **[⩓]** up scroll key
- To arm all of these areas, press the **[⩔]** down scroll key
- To toggle a single area between the armed and disarmed conditions, press [✱][Area number]. For example: If Area 4 is armed, [✱] [4] will disarm Area 4. If Area 4 is disarmed, [✱] [4] will arm it.
- Press [STAY] during the exit delay to bypass all interior zones in the exit delay.
- To control the individual areas, refer to the following section.

OPERATING INDIVIDUAL AREAS IN THE MULTI-PARTITION MODE

Enter a code that is a valid arm/disarm code for the area you wish to operate. The following display will appear on the LCD screen.

1 2 - 4 - - 7 8	**Disarm →**
- - 3 - 5 6 - -	**Arm →**

Only the areas authorized by this code will appear.

To toggle between the armed and disarmed states of an individual area, press [✱] [Area number].

To operate an individual area, enter the number of the partition you wish to operate. The LCD keypad will now operate as a single area keypad. All keys and functions entered will affect this individual partition only. The lights and display represent the status of that partition only. The word "System" will be replaced with the word "Area #". The following is an example of this feature. To exit this screen, press [#].

Area 5 Ready **Type code to arm**

Area 5 is selected and Area 5 is ready to arm. To exit the individual partition mode, enter [#]-[#].

SILENCING ALARMS IN THE MULTI-PARTITION MODE

If the keypad is sounding an alarm or the siren is running, it can be silenced by entering a code with the authority for the area(s) that are in alarm. **NOTE**: The [**EXIT**], [**BYPASS**], and [**STAY**] keys will only work if an individual partition is selected.

KEYPAD CONTROL TONES (BEEPS)

A sounder is built into the keypad and may sound for any of the following reasons:

- Beeps for all keypresses.
- Sounds a continuous tone during the Entry delay time.
- Pulses when a day zone is violated while the system is disarmed.
- Pulses when a FIRE zone has a trouble condition.
- Pulses when the armed status changes and the AC power is off.
- Beeps 3 times for trying to arm with the “READY” light off, if “FORCE ARMING” has not been selected.
- Beeps 1 second for the ‘CHIME” feature.
- Beeps 1 second at the end of the exit delay.
- Beeps to indicate telephone line fault if selected.
- Beeps during an exit delay; beeps rapidly for the last 10 seconds of an exit delay if selected.
- Pulses when one or more of the following conditions are detected: Zone or Box Tamper, Low Battery, AC Power Fail, or Expander trouble.
- Beeps 3 times every minute indicating a low battery or missing transmitter is detected (if wireless device is in system). Entering code will suppress the sounder for 12 hours.

Entering a valid code will silence the keypad sounder when it is pulsing. The arm/disarm state of your system will not change when entering a code to silence a pulsing keypad sounder. Please contact your installer if a trouble condition exists.

SERVICE DISPLAY

The following message will be displayed periodically if the security system requires service.
Call your service provider promptly if this message is observed.

Service Required **Type ✱2 for help**	If you see this display, press **[✱]** followed by the **[2]** key. One or more of the following fault messages will be displayed. Use the **[▲][▼]** scroll keys to browse through them. To exit the service messages, press **[#]-[#]**.
Control **Over-current**	A short circuit of a control's power supply has occurred.
Control **Siren trouble**	Open circuit has occurred on the bell or siren circuit.
Control **Box tamper**	The Box Tamper circuit has activated.
Control **Phone trouble**	The phone line connected to the control is not operating properly.
Control **Fail to Comm.**	The control attempted to communicate a message to the Central Station, but was unsuccessful.
Control **Ground fault**	A short to ground has been detected on a control circuit.
Control **Loss of time**	Your system has lost total power and needs the clock reset.
Control **Power trouble**	The main power to your system is not on.
Control **Low Battery**	The standby battery is low.
Expansion **Over-current**	A short circuit of an expansion devices' power supply has occurred.
Expansion **Aux. comm. fail**	An auxiliary reporting device has failed to communicate.
Expansion **Power trouble**	The main power to an expansion power supply is not on.
Expansion **Low Battery**	An expansion power supply has a low battery.

Expander Box tamper	A box containing an expansion device has been opened.
Expansion Trouble	An expansion device or keypad is not reporting to the control panel.
Expansion Siren trouble	Open circuit has occurred on the bell or siren circuit of the expander.
Expansion RF Jammed	A radio receiver is being jammed (Not applicable to all controls.)
Zone Tamper, Press ✱	A zone is tampered. Press **[✱]** to identify the tampered zone.
Zone Low Batt, Press ✱	A wireless device has a low battery. Press **[✱]** to identify the zone.
Zone Lost, Press ✱	A wireless or multiplexed zone device is not reporting to the control. Press **[✱]** to identify the zone.
Zone Trouble, Press ✱	A zone is experiencing some form of trouble (probably wiring). Press **[✱]** to identify the zone.

APPENDIX A – EVENT LOG

NOTE: Your system may not have all of the features listed in this table.

DISPLAY	DESCRIPTION	
TXlobat	Transmitter Low Battery	The transmitter has a low battery.
ZN Lost	Zone Lost	A wireless or multiplexed zone device is not reporting to the control.
Duress	Duress	The control has been armed or disarmed with a Duress code.
Man Fire	Manual Fire	Keypad “Fire” has been activated.
Aux 2	Auxiliary 2	Keypad “Medical” has been activated.
Panic	Panic	Keypad “Panic” has been activated.
KP Tamper	Keypad Tamper	The keypad tamper has been activated.
BoxTamp	Box Tamper	The box tamper circuit has been activated.
AC Fail	AC Fail	AC failure has been detected.
OverCur	Over Current	A short circuit of a power supply has occurred.
Srn Tamp	Siren Tamper	A siren or speaker tamper has been detected.
Tel Flt	Telephone Fault	A telephone fault or tamper has been detected.
Exp Trb	Expansion Trouble	An expansion device or keypad is not reporting to the control.
Log Full	Log Full	The event log is full. Old events will be pushed out as new ones enter the log.
Open	Open	Reports user number, date, time and partition of opening.
Close	Close	Reports user number, date, time and partition of closing.
Exit Err	Exit Error	Entry/Exit zone was faulted at the instant the exit delay expired.
Rec Close	Recent Close	An alarm occurred within 5 minutes after the control was armed.
Autotest	Auto Test	Sending a communicator test at a specified interval.
Start Prog	Start Programming	Local programming is started.
End Prog	End Programming	Local programming is ended.
Start Dnld	Start Download	Download session is started.
End Dnld	End Download	Download session is ended.
Cancel	Cancel	System is disarmed and the Cancel button was pressed within 5 minutes of an alarm.
Gnd Flt	Ground Fault	A short to ground has been detected.
Man Test	Manual Test	Bell and/or communicator test while system is in disarmed condition.
Re-exit	Re-Exit	The exit delay has been re-started without disarming the system.
Output Trip	Output Trip	A trip has occurred on an expander auxiliary output.
Data Lost	Data Lost	Communication of a signal has failed (log only event).
Walk-test	Walk-Test	A zone “Walk-Test” mode has been activated.
End Test	End Test	Test has been ended.
Cross-Trip	Cross Trip	The first zone of a cross zone has been tripped (log only).
Expansion Event	Expansion Event	An expansion module created an undefined event.
Partial Arm	Partial Arm	Reports a closing in the stay mode.
Listen In	Listen In	A listen in function has been activated.
Service Start	Service Start	Technician is on site.
Service End	Service End	Technician is off site.
Code Entry	Code Entry	A code has been entered.

DISPLAY	DESCRIPTION	
First Open	First Open	Reports when the first partition is disarmed.
Last Close	Last Close	Reports when the last partition is armed.
Sprnklr	Sprinkler	Instant sprinkler supervisory report
Clock Set	Clock Set	Clock has been reset.
RF Jammed	RF Jammed	A wireless expansion module is jammed
CleanMe	CleanMe	A smoke detector requires cleaning.

APPENDIX B – REFERENCE TABLES

IMPORTANT

These reference tables on the following pages need to be completed by your installer.

Keep these tables in a safe place!

Installing/Service Company : _____

Address : _____

_____

Telephone number : _____

Name central station : _____

Telephone number central station : _____

Function codes programmed

Function code	Controls function (action)

Entry/exit delay times in seconds :

Exit delay time:		**Secondary Exit delay time:**	
Entry delay time:		**Secondary Entry delay time:**	

This system is ❑ , is not ❑ partitioned.

This system counts _____ zones

Programmed functions:

- ❑ Abort delay
- ❑ Battery test
- ❑ Cancel alarm
- ❑ Change partitions (LED)
- ❑ Chime
- ❑ Communicator test
- ❑ Manual fire alarm
- ❑ Manual medical alarm
- ❑ Manual panic alarm
- ❑ Forced arming
- ❑ Group bypass
- ❑ Quick arm
- ❑ Re Exit
- ❑ Service Light/Message enabled
- ❑ Siren test

Zone descriptions :

Zone 1		Zone 42		Zone 83	
Zone 2		Zone 43		Zone 84	
Zone 3		Zone 44		Zone 85	
Zone 4		Zone 45		Zone 86	
Zone 5		Zone 46		Zone 87	
Zone 6		Zone 47		Zone 88	
Zone 7		Zone 48		Zone 89	
Zone 8		Zone 49		Zone 90	
Zone 9		Zone 50		Zone 91	
Zone 10		Zone 51		Zone 92	
Zone 11		Zone 52		Zone 93	
Zone 12		Zone 53		Zone 94	
Zone 13		Zone 54		Zone 95	
Zone 14		Zone 55		Zone 96	
Zone 15		Zone 56		Zone 97	
Zone 16		Zone 57		Zone 98	
Zone 17		Zone 58		Zone 99	
Zone 18		Zone 59		Zone 100	
Zone 19		Zone 60		Zone 101	
Zone 20		Zone 61		Zone 102	
Zone 21		Zone 62		Zone 103	
Zone 22		Zone 63		Zone 104	
Zone 23		Zone 64		Zone 105	
Zone 24		Zone 65		Zone 106	
Zone 25		Zone 66		Zone 107	
Zone 26		Zone 67		Zone 108	
Zone 27		Zone 68		Zone 109	
Zone 28		Zone 69		Zone 110	
Zone 29		Zone 70		Zone 111	
Zone 30		Zone 71		Zone 112	
Zone 31		Zone 72		Zone 113	
Zone 32		Zone 73		Zone 114	
Zone 33		Zone 74		Zone 115	
Zone 34		Zone 75		Zone 116	
Zone 35		Zone 76		Zone 117	
Zone 36		Zone 77		Zone 118	
Zone 37		Zone 78		Zone 119	
Zone 38		Zone 79		Zone 120	
Zone 39		Zone 80		Zone 121	
Zone 40		Zone 81		Zone 122	
Zone 41		Zone 82		Zone 123	

Zone 124		Zone 147		Zone 170	
Zone 125		Zone 148		Zone 171	
Zone 126		Zone 149		Zone 172	
Zone 127		Zone 150		Zone 173	
Zone 128		Zone 151		Zone 174	
Zone 129		Zone 152		Zone 175	
Zone 130		Zone 153		Zone 176	
Zone 131		Zone 154		Zone 177	
Zone 132		Zone 155		Zone 178	
Zone 133		Zone 156		Zone 179	
Zone 134		Zone 157		Zone 180	
Zone 135		Zone 158		Zone 181	
Zone 136		Zone 159		Zone 182	
Zone 137		Zone 160		Zone 183	
Zone 138		Zone 161		Zone 184	
Zone 139		Zone 162		Zone 185	
Zone 140		Zone 163		Zone 186	
Zone 141		Zone 164		Zone 187	
Zone 142		Zone 165		Zone 188	
Zone 143		Zone 166		Zone 189	
Zone 144		Zone 167		Zone 190	
Zone 145		Zone 168		Zone 191	
Zone 146		Zone 169		Zone 192	

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