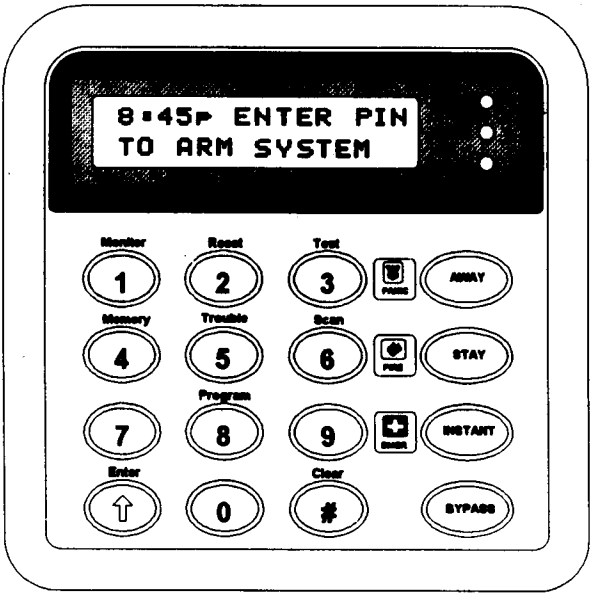
GENESYS 824 ALPHA
OWNERS MANUAL



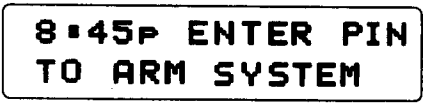
09/94 3440-0240
OPTEX MORSE INC. Torrance, Califirnia

ABOUT YOUR ALARM SYSTEM

The Genesys 824 is a micro-processor controlled Alarm System designed to provide advanced fire and burglar protection. This manual is designed to inform the owner of how to get the most from this system. Please read this manual carefully before operating the system. This is a fully programmable system and some of the functions mentioned in this manual may not be available in your system. The installing company will inform you of which features are active in your system.

BASIC OPERATION

TO ARM THE SYSTEM



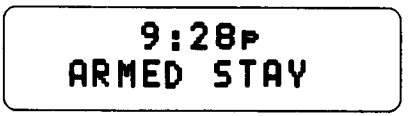
Confirm the green "Ready" light is On.(all zones are secured).
Enter [PIN] + [AWAY], [STAY] or [INSTANT].

(BUTTONS)

[AWAY] - Arms all perimeter and interior zones. Exit/Entry Delay Active.
[STAY] - Arms all perimeter zones, treats interior zones according to programming. Entry/Exit Delay Active.
[INSTANT] - Arms all perimeter zones. Treats interior zones according to programming and deactivates Entry/Exit Delay.

If the PIN and appropriate arm button are entered correctly, the system will Arm. The Keypad beeps, Red "Armed" light flashes and the following display will prompt for the amount of time programmed for Exit Delay. (The beep tone will changes from a continuous tone to a pulsed tone for last 15 seconds of Exit delay time)

Once the exit delay expires, the Red light will remain steady. The system is now armed.



If the wrong PIN number is entered, the system will give a 2 second error tone and will not arm. If this happens, reenter the proper PIN.

If following display is shown and the green light is not illuminated

There is a open zone(s)(Doors or Windows are left open etc..)
To locate which zone is open, go into SCAN MODE (see instruction below), or simply enter the **[PIN]+[AWAY]** , **[STAY]** or **[INSTANT]**. The display will indicate which zone(s) is open. If there is more than one zone, the zones will scroll by pressing **[6]**.

Now you need to secure the zone(s)(by close doors or window etc..) or bypass the particular zone(s) by simply pressing the **BYPASS** button.

Once all the open zones have been secured or bypassed, the keypad will display;

Press [AWAY] or [STAY] or [INSTANT] again to arm the system.

SCAN MODE (Zone Status)

The Scan Mode displays Zone Status.

To enter Scan Mode, enter [PIN] + [↑] + [6]. You are now in scan mode. The Keypad display will now be displaying zone 1 status. Press the **[6]** to scroll through the rest of the zones. The zone number and name will be displayed as well as the status of the zone. "OPEN" will be displayed when zone is Open and "NORMAL" will be displayed when zone is secured.

Exit out of Scan Mode by pressing the "#" button.

BYPASSING ZONES

Bypassing is a method of temporally removing protection of a zone(s) from your alarm system. This feature is limited to PIN levels one and two and, each zone is programmed whether it is bypassable or not by installer at the time of installation.

To Bypass a zone, enter **[PIN] + [BYPASS]** . The following display will prompt for 15 seconds.

During this period, press the zone number(s) which you wish to bypass (for example, if you want to bypass zone 4, press [0]+[4]) ..Each time you input the zone number, the keypad beeps two times and displays that zone is bypassed.

To remove the Bypass, enter Scan Mode, scroll to the bypassed zone and press the Bypass Button. Or, the **Zone Bypass will be removed automatically, when you Arm and Disarm the system.**

A another way to bypass the zone(s)

Go into scan mode (PIN + [↑] + [6]) and then continue to press the scan button ([6]) stepping through each point of protection until the zone you desire to bypass is located, depress the BYPASS key. The LCD display indicates above message, that the zone is now bypassed. If you change your mind simply press the BYPASS key again to remove the bypass and then continue to scan to the next zone.

DISARMING SYSTEM

When entering the premises through a designated entry door, the Keypad (if Programmed) will beep for the time selected for entrance delay. Entering a valid PIN at the keypad will disarm the system. A valid PIN must be entered before the Entry Delay expires or the alarm will activate according to programming. If an error is made while entering the PIN, press the [#] button and enter the PIN again.

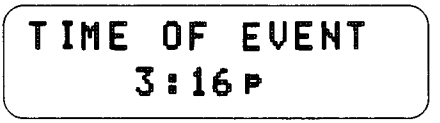
If an alarm event(s) has occurred during the armed period, the tone during entry delay will be pulsed tone instead of a continuous tone. Also the keypad will display **[ALARMS ACTIVE (MEMORY)]** for 15 seconds when the system is disarmed, to let you know the alarm activated while the system was armed. (See "Alarm Memory")

REMAIN ON PREMISES WITH EXIT/ENTRY DELAY

In the event that someone wishes to exit or enter while the system is arming in the **STAY** mode ENTER [PIN] + [STAY]. This gives you a preset Exit time delay and, the system remains in STAY mode after the exit/entry delay time expires.

ALARM MEMORY

Alarm memories are held in a 16 event buffer and can be retrieved in reverse chronological order at any time, either through the Keypad or Download Software.
To retrieve the Alarm Memory from the Keypad, press a valid **PIN + [↑] + [4].**
The event and time it occurred will be displayed.



Press the [4] button to view the older alarm memories. Each time the [4] button is pressed an older event and its time will be displayed, to a maximum of 16 events. The 17th event is automatically erased. Press the [#] button to return to ready mode.

MONITOR MODE

Press [PIN] + [↑] +[1]. The keypad now display [MONITOR MODE].

When a zone is violated, the keypad will display the zone in violation and emit an audible tone. If more than one zone is violated, the keypad will scroll the zones. Enter the [PIN] to return to the normal mode. Check with your alarm company for additional features.

TEST MODE

Press [PIN] + [↑] + [3]. You are now in the Test Mode. The LCD display will scroll all the zones. Whenever a zone is violated, that zone will be removed from the display and the keypad will emit an audible tone. When all zones have been violated, the LCD readout will display **[NO MORE FOUND]**. Press the [PIN] to return to the normal mode.

RESET SMOKE DETECTOR(s)

To reset smoke detector(s), press [PIN] + [↑] + [2].

TROUBLE MODE

When the 824 detects a trouble in one of its systems, the keypad will sound, the Trouble LED will illuminate and the trouble will be displayed in the Keypad window. To silence a trouble signal, enter your [PIN]. The display will return to normal mode but trouble LED will remain. If the trouble cannot be easily corrected, notify your installing company for service. **To display a trouble signal which has been silenced, press a valid PIN + [↑] + [5].** If there is more than one trouble condition, the message will scroll by pressing [5]. Trouble messages which may be displayed are as follows:

[COMM FAIL] - Your Alarm System attempted to communicate with the Central Station and was unsuccessful

[TELEPHONE LINE TROUBLE] - This message will be displayed if your control panel does not recognize the telephone lines.

[BELL CIRCUIT TROUBLE] - This message will be displayed when the bell circuit is in trouble. Call your installation company for service.

[2-WIRE SMOKE TROUBLE] - This message will be displayed when the Special Two Wire Smoke Detector Circuit on your control panel is in Trouble. Call your installing company for service.

[BUS FAILURE] - This message will be displayed when there is a problem with one or more of your peripheral components on your alarm system. These components are additional Keypads, Zone Expansion Modules or optional Fire Modules. Call your installing company for service.

[SYSTEM ERROR!] - This message will be displayed when one of the following conditions have occurred. Either the panel has had a major failure and is no longer able to function normally or one of the Keypads has been programmed incorrectly. Call your installing company for service.

[AC FAILURE] - This message will be displayed when the AC power is shut off to the main control panel. If this error message is displayed, check to make sure no breakers have been tripped and check to see if the transformer is unplugged before calling your installing company for service.

[LOW BATTERY] - This message is displayed when the battery voltage level drops below an acceptable level. This may lead to other problems with your system so it is very important that the battery be checked out and changed if necessary. Call your installing company for service.

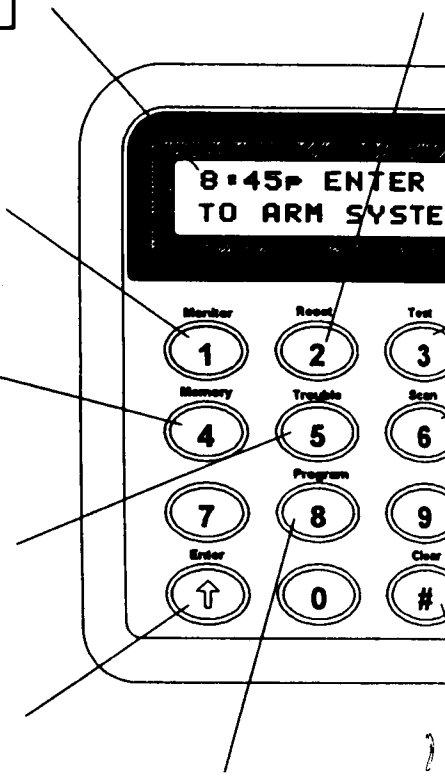
[AUXILIARY POWER TROUBLE] - This message is displayed when the auxiliary power output is in trouble. Call your installing company for service.

[Zone name IS IN TROUBLE] - This message will be displayed when an Alarm Zone of your Control Panel is in trouble. This could mean a wire has been broken or one of the components has malfunctioned. If the trouble cannot be easily corrected, call your installing company for service.

LCD DISPLAY
When entering any of the optional modes, this is where the information will be displayed. In the normal mode, the display will show the time of day. To set the time, see user programming.

SMOKE DETECTOR RESET
Enter PIN [↑] + [2] to reset the

MONITOR MODE
Enter [PIN] + [↟] + [1]. The keypad will now display [MONITOR MODE]. When a zone is violated, the keypad will display the zone in violation and emit an audible tone. If more than 1 zone is violated, the keypad will scroll the zones. Enter your [PIN] to return to the normal mode.



MEMORY MODE
Enter [PIN] + [↟]+ [4]. The LCD display will now show any zones which have activated an alarm. The 824 stores the last 16 alarm events in its memory. Press the [4] button to scroll chronologically backwards through the information. Press the [#] button to return to the normal mode.

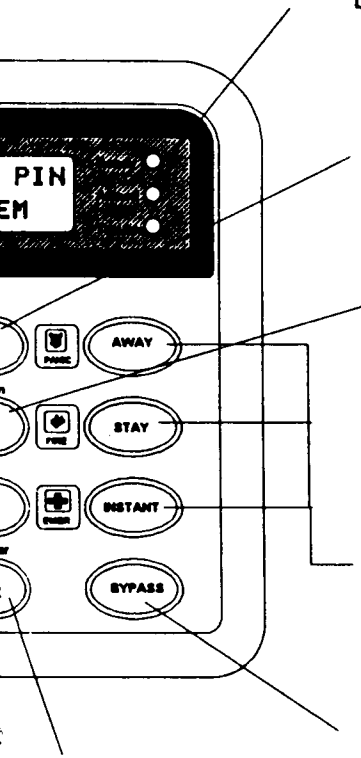
TROUBLE MODE
Enter [PIN] + [↟] + [5]. You are now in Trouble Mode. If there are any current trouble conditions on your alarm, they will be displayed in this mode. Refer to "Trouble Mode" section later on this manual. Press [#] to return to the normal mode.

ENTER KEY
This key is used to allow you to move from the normal mode to different levels of user programming. It is used in combination with a valid PIN number and a memory location number. If an error is made while entering user programming, press the [#] button to return to the normal mode and begin again.

PROGRAMMING MODE
Enter [PIN] + [↟]+ [8], the keypad will now display [USER PROGRAM SELECT ITEM 1-9]. From this memory location it is possible to program user functions. See "User Programming" for instructions. Press [#] to return to the normal mode.

STATUS LIGHTS
Ready LED - When this light is on, all of the alarm zones are secure and the system is ready to arm.
Armed LED - When this light is on, the system is armed. A flashing light indicates the system is in exit delay.
Trouble LED - When this light is on, the system has sensed a fault and the LCD will indicate where the fault has occurred. See trouble mode in the manual for additional information.

...e smoke detector.



TEST MODE
Enter [PIN] + [↑] + [3]. You are now in Test Mode. The LED display will scroll all the zones. Whenever a zone is violated, that zone will be removed from the display. When all zones have been violated, the LCD readout will display [NONE]. Enter the [PIN] to return to the normal mode.

SCAN MODE
Enter [PIN] + [↑] + [6]. You are now in Scan Mode. Press the [6] button repeatedly in order to scroll through the zones and view their present condition. Press the [#] to return to the normal mode.

ARMING MODES
AWAY - Arms Entire System
STAY - Arms perimeter and selected interior zones for use when arming the system when the building is occupied.
INSTANT - Arms the perimeter and selected interior zones. Removes entry delay from Entry/Exit zones. For use when arming the system during occupancy and no one is going to be entering after the system is armed.

BYPASSING ZONES
To Bypass a zone(s), enter **[PIN] + [BYPASS]** . The LCD display will be changed and waits your entry for 15 seconds. During this period, press zone number(s) which you wish to bypass ..Each time you input the zone number, keypad beeps two times and displays the zone is bypassed.
See **BYPASSING ZONES** in the manual for more options.

CLEAR KEY
This key is use to clear the entry if an error is made while entering the PIN. Also, this key would be used to exit the programming mode.

USER PROGRAMMING

The following instructions have to do with the levels of programming accessible by the system owner. **To enter user programming press a PIN(user level 1)+ [↑] + [8].** The keypad will display;

You are now in the User programming mode designed to allow you to customize some of the functions of the system. To move around within the user programming, press the number of the memory location you wish to program. The numbers of the memory locations are as follows:

Location Number	Content
1	**PIN's (Personal Identification Numbers)**
2	**Utility PIN**
3	**Set Time**
4	**Auto Arm Time**
5	**Auto Arm (Enable/Disable)**
6	**Future Use**
7	**Future Use**
8	**Quick Arm**
9	**Future Use**

Entering one of these numbers will move you to that specific Memory Location. When you have completed the changes to that location, press the [↑] button to store the changes into memory. Then press the [#] button to return to the user programming starting point. Pressing the [#] button once more will return you to the normal mode.

1 - PIN's (Personal Identification Numbers)

This is the Memory Location where the user PIN's will be programmed. "PIN's" are user access codes which allow the system to be armed, disarmed, bypassed and programmed. These codes must be 4-digit numbers in any combination. There are 16 user PIN's which can be programmed.

From the [USER PROGRAM SELECT ITEM # 1-9] prompt, **press: [1]**

Press [USER NUMBER].(01 to 16) + [↑] Now the display illuminates the user number you entered and the access level one (default setting)as bellow.

```
ENTER USER #01
ENTER LEVEL #_
```

The keypad is now waiting for an access level designation. The access level will designate certain PINs with more access than others. The access levels are as follows:

☞User number 1 is always at level one. It can not be changed.

FUNCTION	LEVEL				
	1	2	3	4	5
Arm System	X	X	X	X	X
Disarm System	X	X	X	X	
Scan Zones	X	X	X	X	X
Enter - Exit Monitor Mode	X	X	X	X	
Enter - Exit Walk Test	X	X	X		
View History	X	X			
Quick Arm	X	X			
Enable Auto Arm	X	X			
Set Auto Arm Time	X	X			
Bypass Zones	X	X			
Clock Change	X	X			
User Program	X				
PIN Program	X				

The access level is selected by depressing the number of the level required.
Once the access level has been selected, press the [↑] button. This will lock the access level into memory. The unit is now ready to accept the new code.

```
ENTER 4 DIGITS
CODE 1234
```

Press in the new 4 digit code. Once the proper code has been entered, press the [↑] button to lock it into memory. (When you want to delete the PIN, press [BYPASS] at this point). The control panel will automatically advance to the next PIN location. To exit out of PIN programming, press the [#] button.

Note: User number 16 can be designated as a temporary PIN. After the level and four digit PIN has been entered, the keypad will display;

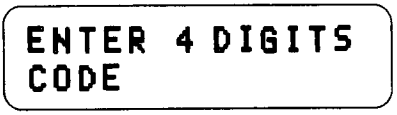
```
NUMBR DAYS =00
```

The keypad is awaiting a value to be entered representing the number of days the PIN will be active. You may choose from 01 through 99 days.
Default (00) disabled. (Permanent Pin)

2 - UTILITY PIN

This is the memory location where the Utility PIN is programmed. This PIN is used to activate the programmable outputs (PGM 1 and PGM 2) of the Genesys 824. These outputs can be used to customize your panel for specific functions. Please consult your installing company concerning Utility PIN use. This function may or may not be activated.

From the [USER PROGRAM SELECT ITEM 1-9] prompt, press **[2].**



The LCD display will now be blank. It is now ready to accept a 4-digit code which will be the Utility PIN. After entering the 4-digit code, press the [↑] button. This will lock the PIN into memory. Now press the [#] button to return to the [USER PROGRAM SELECT ITEM 1-9] prompt. REMEMBER: This is a programmable feature, please consult your installing company for details before attempting to use the Utility PIN.

Default (Blank) disabled.

3 - TIME SET

This is the memory location where the internal clock is programmed.

From the [USER PROGRAM SELECT ITEM # 1-9] prompt, press **[3].**

The unit is now waiting for the time to be entered. Enter this value in military time. Example: 3:30PM = 15:30. After the time has been entered, press the [↑] button to lock it into memory. Then depress the [#] button to return to the [USER PROGRAM SELECT ITEM] prompt.

4 - AUTO ARM TIME

This system can be programmed to automatically arm itself daily if desired. This is the memory location where the Auto Arm Time is programmed. Memory location 4 and 5 must be programmed in order to Auto Arm.

From the [USER PROGRAM SELECT ITEM 1-9] prompt, press **[4].**

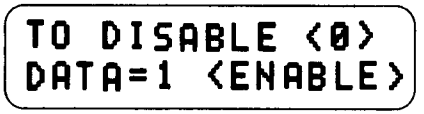
The unit is now waiting for the time to be entered. Enter this value in military time as shown in the above example. After the time has been entered, press the [↑] button to lock it into memory. Then depress the [#] button to return to the [USER PROGRAM SELECT ITEM 1-9] prompt. Default (Blank) disabled.

☞When the auto arm time is reached, the keypad will beep for one minute before auto arming

5 - AUTO ARM FUNCTION [ENABLE OR DISABLE]

This memory location turns the auto arm function on and off. User programming location 4 must be programmed before this function will operate. Activating this memory location will allow the control panel to perform an auto arm <u>if all zones are secure</u> and the system is not partitioned.

At the [USER PROGRAM SELECT ITEM 1-9] prompt, press **[5]**.



Entering a number(1-9) will activate this function and entering a "0" will deactivate this function. Once the proper selection is made, press the [↑] button to lock the selection in memory. Then press the [#] button to return to the [USER PROGRAM SELECT ITEM 1-9] prompt.

6 - NOT USED
7 - NOT USED

8 - QUICK ARM FUNCTION

This function will allow you to arm the system with single digit entry. Any single digit except 0 can be used for Quick arm digit. To quick arm, press the **[↑] + [Quick arm No.] + [AWAY],[STAY] OR [INSTANT]**

To program Quick arm number.
At the [USER PROGRAM SELECT ITEM 1-9] prompt, press **[8]**.

If you wish to use this feature, enter desired number (1-9) at this time. The number you enter will be the number which will be used to Quick arm.

9 - NOT USED

KEYPAD ACTIVATED ALARMS

With this option enabled, you are able to transmit alarm signals and or enable your sounding devices to Central station from the keypad. (if programmed by installer)

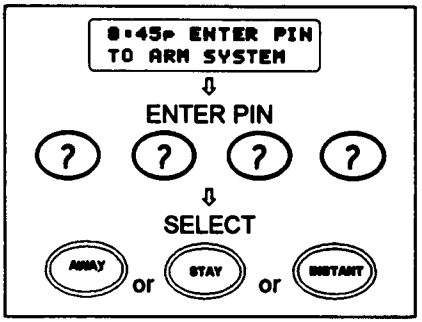
PANIC alarm	: Press and Hold For 2 seconds	3 AWAY
FIRE alarm	: Press and Hold For 2 seconds	6 STAY
EMERGENCY alarm	: Press and Hold For 2 seconds	9 INSTANT

OTHER USER FUNCTION

Manual Test of audible Devices - Consult your installer

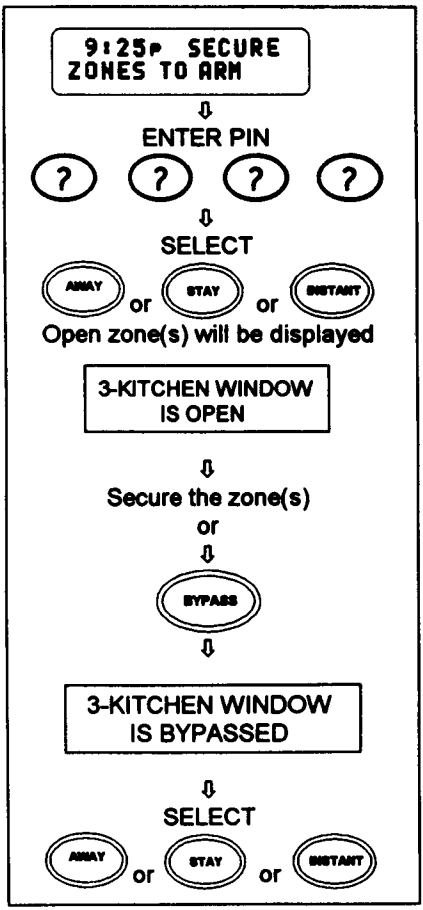
OPERATION SUMMARY

TO ARM THE SYSTEM

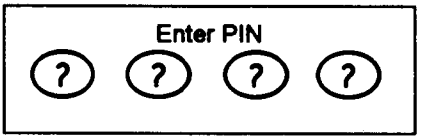


TO ARM THE SYSTEM

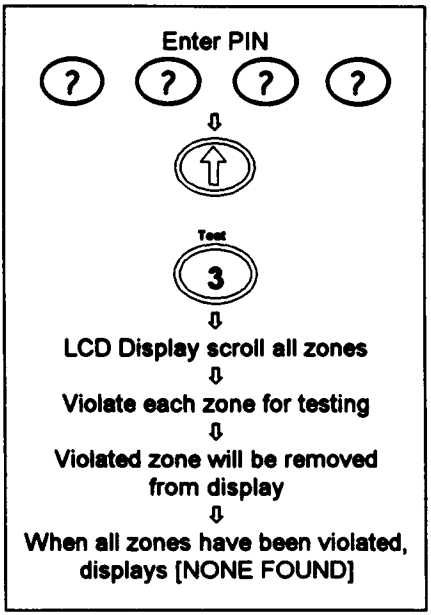
-If there is open zone(s)-



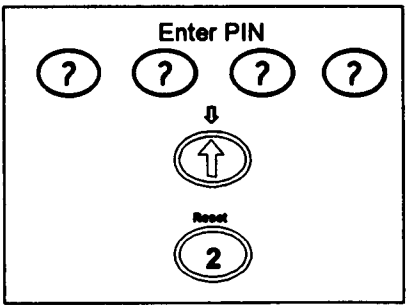
DISARM THE SYSTEM



TEST MODE



RESET SMOKE DETECTOR(s)



SCAN MODE

Enter PIN

? ? ? ?

⇩

Scan

6

Continue to press the button to scroll the zones

TROUBLE MODE

Trouble LED turns On

Trouble

⇩

Enter PIN

? ? ? ?

⇩

Trouble

5

⇩

Trouble messages will scroll by pressing Trouble 5, if there is more than one trouble conditions.

BYPASSING ZONES

Enter PIN

? ? ? ?

⇩

BYPASS

⇩

Enter zone number (Ex. 03 or 04 ...)

Or from SCAN mode,
Displays open or desired zone and press

BYPASS

Press BYPASS again to remove bypass.

ALARM MEMORY

If the entry delay tone is pulsed instead of continuous, and the following display is shown. It means an alarm event(s) has occurred during, the armed period.

ALARM(S)
IN MEMORY

Enter PIN

? ? ? ?

⇩

Memory

4

The event and time it happened will be scrolled.

Press the Memory 4 to view the older events in the alarm memory.

SYSTEM DATA SHEET

PIN NUMBERS ("L" = Access Level)

	L		L		L		L
1.	(1)	5.	( )	9.	( )	13.	( )
2.	( )	6.	( )	10.	( )	14.	( )
3.	( )	7.	( )	11.	( )	15.	( )
4.	( )	8.	( )	12.	( )	16.	( )

Note: The first code is always at Level 1. and can not be changed.

ALARM ZONES

Primary Zones

1)_____
2)_____
3)_____
4)_____
5)_____
6)_____
7)_____
8)_____

First Zone Expander

9)_____
10)_____
11)_____
12)_____
13)_____
14)_____
15)_____
16)_____

Second Zone Expander

17)_____
18)_____
19)_____
20)_____
21)_____
22)_____
23)_____
24)_____

COMPONENT LOCATIONS

Control Panel_____
_____
Transformer_____
Keypad(s)_____
_____
Motion Sensor(s)_____
_____
Siren(s)_____
Entry/Exit Zone(s)_____

KEYPAD ALARM ZONES

Alarm Type	Depress
Panic (Police)	**[3]** and **[AWAY]**
Fire (Fire Dept.)	**[6]** and **[STAY]**
Emergency	**[9]** and **[INSTANT]**

NOTE: Buttons must be pressed simultaneously for alarm activation.

NOTES:_____
_____
_____
_____
_____
_____

CENTRAL STATION INFORMATION

Phone #_____ Acct.#_____ Password_____

SERVICING COMPANY

Company Name_____ Phone #_____

Installation Date_____ Installer(s)_____