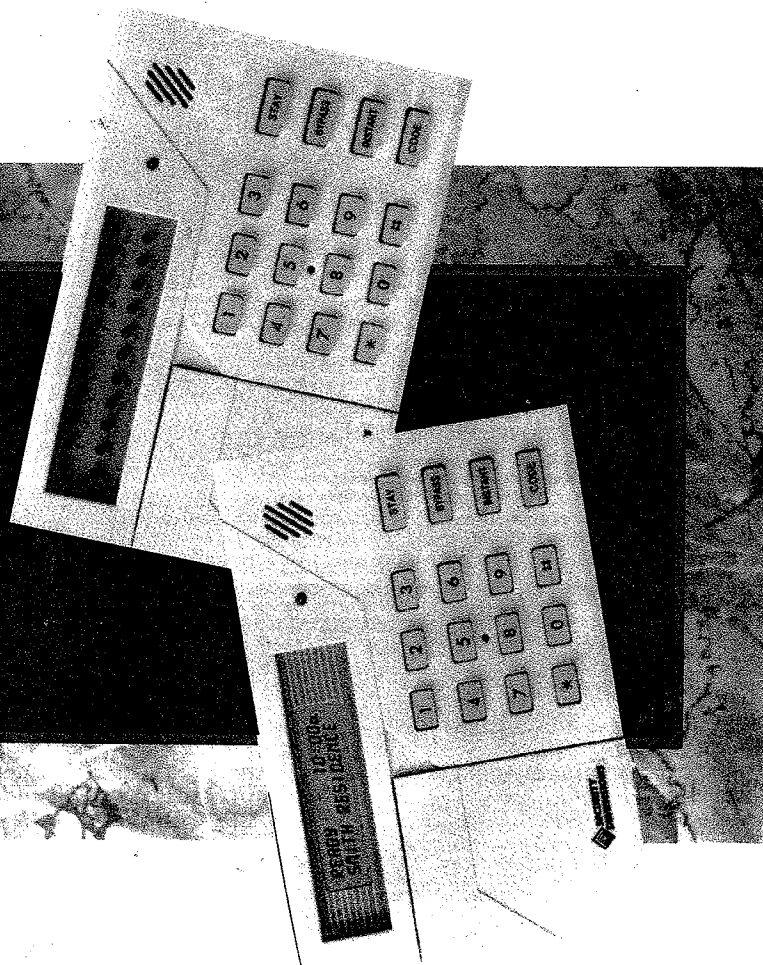


Welcome to a
new dimension
in peace of mind.

HOW TO OPERATE YOUR
SD-2000
SECURITY SYSTEM



QUICK REFERENCE

Silence Keypad:

SILENCE ALARMS USER CODE

When Leaving:

ARMING USER CODE

FORCED **BYPASS** + USER CODE + **BYPASS**

When Remaining:

ARRIVING USER CODE

REMAINING **STAY** + USER CODE

INSTANT **INSTANT** + USER CODE

INSTANT/STAY **INSTANT** + **STAY** + USER CODE

BYPASS **BYPASS** + USER CODE + ZONE No.

Emergency Information:

Entry Delay: _____ seconds

Exit Delay: _____ seconds

Alarm Co. Phone () - _____

Your Acct. No. _____

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INTRODUCTION

We congratulate you on your decision to protect your home or business with one of our security systems. The system represents the very latest in security technology and has been designed with reliability and ease of operation in mind.

This manual covers the following Security Dimensions systems:

Model	Application
SD-2000H	Household Fire and Burglary
SD-2000B	Commercial Burglary and
	Household Fire and Burglary
SD-2000C	Commercial Fire/Burglary

Please take the time to learn the contents of this manual. You will soon feel comfortable with the operation of your system and you will be able to take full advantage of the many features and the security it offers. If you have any further questions regarding your security system, please contact your alarm dealer or installer.

WARNING! OWNER'S INSTRUCTION NOTICE
"Not to be removed by anyone except occupant"

This equipment should be installed in accordance with the National Fire Protection Association's standard 74 (National Fire Protection Association, Batterymarch Park, Quincy, MA 02269). Printed information describing proper installation, operation, testing, maintenance, evacuation planning, and repair service is to be provided with this equipment.

GLOSSARY

ARMED/DISARMED: The system is activated and ready to provide the mode of burglary protection selected when the system is armed. Burglary protection is suspended when the system is disarmed. Fire protection and other emergency conditions are always active and ready, whether in the ARMED or the DISARMED state.

BURGLARY/FIRE: The two major functions of a security system. Fire protection is always available and cannot be turned off. The burglary function protects against unauthorized entry into your premises. It can be turned on/off (armed/disarmed) and manipulated by the user to accommodate special use of the premises.

ENTRY/EXIT DELAY: The period of time allowed to arm or disarm the system when leaving or entering (respectively). This is determined at the time of installation of the system.

PARTITION: The security system may be arranged into multiple independent sub-systems (partitions), each controlled by a separate keypad. Each partition behaves as a separate security system with individual zones and user codes.

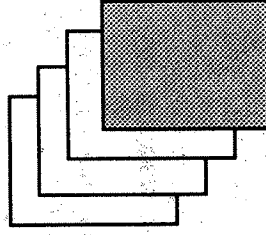
SYSTEM: In this context, a security system comprising three parts: **Control Panel** which functions both as the system brain and as the link to the monitoring agency (Central Station); **Keypad** which allows the user to perform all system functions (arm/disarm, bypass, etc.); and **Security Detection Devices** such as door and window contacts, motion detectors, and smoke detectors which permit the control panel to provide protection against fire and burglary.

USER CODE: The 4 or 7 digit code required to operate the system. User codes for this system are graduated by levels of authorization permitting selective access to all users. Ask your installer whether your system uses a 4 or a 7 digit code.

ZONE: Any protected area of a security system. Generally, zones are divided into three categories: **exterior zones** which represents the perimeter and provides a first line of security defense; **interior zones** protect the inside of the building and act as a backup to the exterior zone; and **special zones** such as Fire, Duress, etc. The AWAY, STAY, INSTANT and BYPASS modes are all states of how these zones will respond to zone intrusion.

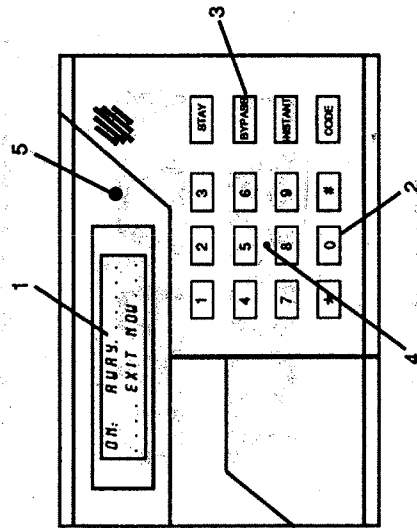
SECTION 1

KEYPAD LAYOUT



LCD KEYPAD LAYOUT

All system operations are performed through the keypad. The keypad for this system is available in both a Liquid Crystal Display (LCD) version as well as a Light Emitting Diode (LED) version.



1- LCD DISPLAY AREA: Current system status is presented in two lines of information, each 16 characters in length.

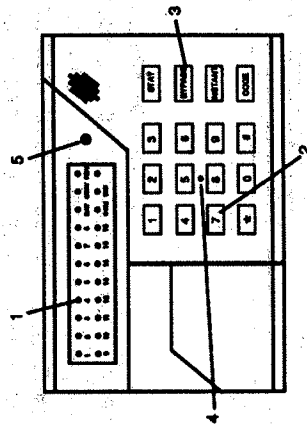
2- NUMERICAL SECTION: Numbers 1-9, # and * are clearly marked on these keys which are used to operate the system.

3- FUNCTION KEYS: These four keys work in conjunction with the keys of the NUMERICAL SECTION to help operate the system. The STAY, BYPASS, and INSTANT keys allow the user to selectively ARM the system according to their needs. The CODE key enables the owner to assign user codes to other users of the system.

4- AC INDICATOR (GREEN): When lit, this indicates that the system is being powered by AC or by the backup battery.

5- ARM/DISARM INDICATOR (RED): When lit, this indicates that the system is ARMED. A blinking light indicates that an alarm has occurred.

LED KEYPAD LAYOUT



(NOTE: This keypad is not available with the SD-2000 C system or systems with more than 16 zones.)

1- LED DISPLAY AREA:

The indicators marked 1-16 show whether the first 16 zones are in alarm, bypasses, trouble, or not ready to arm. In zones with multiple conditions only the highest priority condition is indicated.

ALARM = Fast Blinking TROUBLE = Slow Pulse
BYPASSED = Slow, dim blink NOT READY = Steady ON

BAT = When lit, indicates that the backup battery is low.

STAY = Indicates that only the exterior zones are armed when lit.

RDY = Indicates that the system may be armed when lit. Failure to light indicates that there is a faulted zone which must be corrected.

COM = When lit, indicates a central station communication failure.

INS = Indicates system is armed w/o exit delay time when lit.

2- NUMERICAL SECTION: Numbers 1-9, # and * are clearly marked on these keys which are used to operate the system.

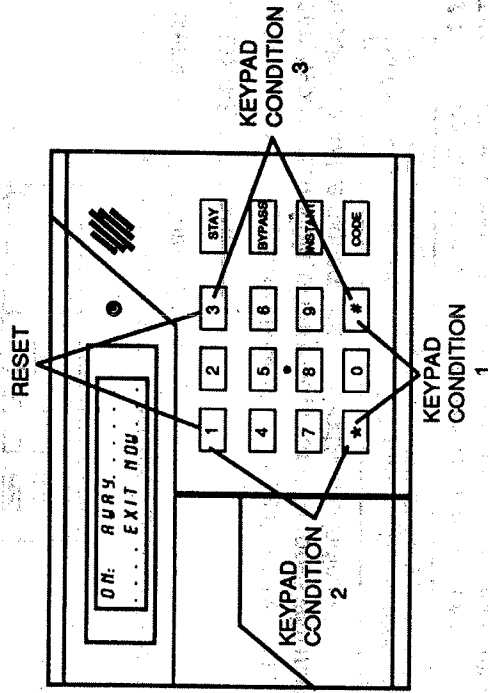
3- FUNCTION KEYS: These four keys work in conjunction with the keys of the NUMERICAL SECTION to help operate the system. The STAY, BYPASS, and INSTANT keys allow the user to selectively ARM the system according to their needs. The CODE key enables the owner to assign user codes to other users of the system.

4- AC INDICATOR (GREEN): When lit, this indicates that the system is being powered by AC.

5- ARM/DISARM INDICATOR (RED): When lit, this indicates that the system is ARMED. A blinking light indicates that an alarm has occurred.

KEYPAD AUXILIARY

In addition to individual zone alarms, the system can be programmed so that the user can send a KEYPAD AUXILIARY alarm by simultaneously depressing two keys on the keypad. There are three alarm types which can be defined by the installer to be initiated by three different key sequences:

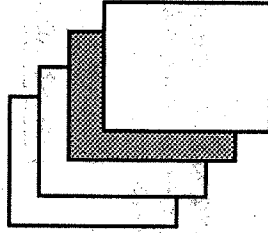


The KEYPAD AUXILIARY conditions feature can be programmed by the installer to announce any personal emergency such as FIRE, PANIC or some other critical condition requiring immediate attention. The KEYPAD AUXILIARY zones are active 24 hours a day, whether the system is armed or disarmed.

To demonstrate this feature, suppose the installer programs the KEYPAD AUXILIARY 2 (simultaneously pressing 1 and *) as a PANIC situation (an intruder in your house, for instance).

Please consult with your installation company to determine which KEYPAD AUXILIARY features are available with your system.

SECTION 2 SYSTEM OPERATION



READY PROCEDURE

In order to ARM the system, all portions of the security system must be READY to arm.

SYSTEM READY

LCD Keypad: The following message is displayed:

Example:

READY 10:00a

LED Keypad: The READY light is lit.

SYSTEM NOT READY

LCD Keypad: The display will present a NOT READY message and notify you of the zones which are not READY.

Example:

NOT RDY ZN 12
Master Bedroom

This display indicates that zone 12 is not ready. (Perhaps a door or a window is open.) Once resolved, READY is displayed. If more than one zone is NOT READY, then the zones will be presented one every two seconds.

LED Keypad: The READY light is not lit and zone LEDs will notify you of the first 16 zones which are not ready.

MAKING THE SYSTEM READY

Ready the zones which are causing the NOT READY message by closing windows, doors, etc. until the READY indicator light is illuminated. NOTE: The system can be armed without the backup battery connected.

ARMING W/O READY MESSAGE

In order to ARM the system with some zones NOT READY, the BYPASS procedure may be used. Bypassed zones are not protected and this procedure should only be performed if a zone cannot be made ready or when intentionally removing a zone.

ARMING

Description:

This procedure ARMS all protected exterior and interior burglary zones when leaving the premises.

- Entry/Exit delay available.

Procedure:

1. The system must be READY.
2. Enter your USER CODE.

Result:

- The ARM/DISARM indicator will light, the pad will beep once and the following display will appear.
- All protected zones are armed and there is an exit delay which allows you to leave the premises through pre-selected doors.

Display:

LCD: The ARMED indicator is lit and the following display appears:

ON: AWAY ...11:30p
...EXIT NOW...

LED: The ARMED indicator is lit.

NOTE: The system can be armed with the backup battery disconnected.

A SPECIAL NOTE

For commercial burglar alarm installations (SD-2000B) and for combination fire/burglary installations (SD-2000C): A brief, pulsing audible output from the keypad indicates the successful receipt of the closing signal by the central station. Also, the alarm sander energizes briefly after ARMING. If you fail to hear these sounds as described, then call for service.

IMPORTANT!

If you overstay your allotted exit time and cause an alarm, then follow the DISARM procedure on the following page and try again.

DISARMING

Description:

This procedure allows you to turn off the burglary protection portion of the system. It is used to disarm all arming procedures (ARM, STAY, AUTO/STAY, INSTANT, etc.). If an entry delay exists then you must perform this procedure within the allotted time. If you exceed the delay, disarm the system and notify your monitoring agency (if applicable).

Procedure:

1. Enter your USER CODE.

Result:

The ARM/DISARM indicator will go out, the pad will beep once and the following display will appear.

LCD:

READY 10:30a

LED: Only the READY indicator is lit.

IF ALARMS HAVE OCCURRED

1. Silence (disarm) your system by entering your USER CODE.
2. All alarm conditions will be displayed. On LCD systems, multiple alarms will scroll.

Example:

BURGLARY Zn 12
Master Bedroom

On LED systems, the alarms will appear as follows:

ALARM: Fast Blink

TROUBLE: Slow Pulse

BYPASS: Slow, low intensity blink NOT READY: Solid ON

IMPORTANT!

If you notice any evidence of a fire or a burglary, DO NOT REMAIN AT THE PREMISES. Go to a neighbor and call the authorities.

STAY

Description:

This procedure ARMS all exterior zones while leaving the interior zones bypassed.

- You may walk freely throughout the premises without causing an alarm
- All exterior zones (outside doors, windows, etc.) are armed.
- All interior zones are disarmed.
- Exit delay available.

Procedure:

1. Press the **STAY** key and enter your USER CODE.

Result:

- All protected exterior zones are armed.
- The ARM/DISARM indicator will light, the pad will beep once and system status is displayed:

LCD:

ON: STAY 10:30p
... EXIT NOW...

LED: Both the ARMED and STAY indicators are lit.

IMPORTANT!

- Disarm the system or bypass desired zones before opening any exterior windows or doors.
- The STAY mode will reset after the system is disarmed.

AUTO-STAY

Description:

This feature will arm the system and will automatically bypass only those interior zones pre-selected by your installer.

- You can walk freely throughout one section of your location and have the rest of the interior protection active.
- This is an option made at the time of installation.

Procedure:

Enter your USER CODE and remain within the location. (Do not leave or open the entry/exit door.)

Result:

The ARM/DISARM indicator will light, the pad will beep once and the following display will appear. All zones are armed except those zones which have been pre-defined as bypassed.

LCD:

ON: AUTO STAY 10:30p

LED: Both the ARMED and STAY indicators are lit.

IMPORTANT!

- Disarm the system before opening any exterior windows or doors.
- Check with your installer to determine how this feature applies to your location.

INSTANT

Description:

This procedure ARMS all protected burglary zones so that any breach will cause an instant alarm.

- No entry or exit delay. Instant response on all zones.

Procedure:

1. The system must be READY.
2. Press the **INSTANT** key and enter your USER CODE.

Result:

- All protected exterior zones are armed. There is no entry/exit delay and violation of any protected interior or exterior zone will cause an INSTANT alarm.
- The ARM/DISARM indicator will light, the pad will beep once and the following display will appear:

LCD:

AWAY INST 10:30p

LED: The ARMED and INSTANT lights are lit.

IMPORTANT!

- The INSTANT mode will automatically return to normal upon DISARMING.
- Disarm the system before violating any protected zone (interior or exterior).

INSTANT/STAY

Description:

- The same characteristics as 'INSTANT' but with all interior zones automatically bypassed.
- Interior zones are disarmed.
 - No entry or exit delay.

Procedure:

- The system must be in the READY mode.
- Press the **INSTANT** and then the **STAY** keys.
- Enter your USER CODE.

Result:

- All protected exterior zones are armed. There is no entry/exit delay and violation of any protected zone will cause an INSTANT alarm.
- The ARM/DISARM indicator will light, the pad will beep once and the following display will appear:

STAY INST 10:30p

LCD:

LED: The ARMED, STAY and INSTANT indicators are lit.

IMPORTANT!

Disarm the system before violating any protected zones (interior or exterior).

STAY

BYPASS

INSTANT

CODE

BYPASS

Description:

This procedure allows selected burglary zones to remain disarmed and unprotected after the system is armed.

Authorization Level: Levels 1-4

Procedure:

1. Press **BYPASS** and enter your User Code.
2. Enter the 3-digit zone number (002, 112, etc.) of the zone to be bypassed.

Result:

- The LCD keypad will beep and display the following:

Example

BYPASSED Zne 2
Rear Door

All bypassed zones will appear on the message line of the display.

Example

READY 10:30p
BYPASSED Zne 2

Multiple zones can be bypassed by repeating the zone sequence within 15 seconds of the initial entry without entry of user code.

Example

BYPASS + User Code + 001 + **BYPASS** + 012

LED: Any bypassed zone (1-16) will blink slowly and in low intensity.

IMPORTANT!

- FIRE protection zones and other zones selected by your installer cannot be bypassed.
- Bypassed zones are not protected when the system is armed.
- In UL Installations, bypassed zones are automatically removed when the system is disarmed.

UNBYPASS

Definition:

The UNBYPASS function restores bypassed zones to protected status.

Procedure:

1. Press **BYPASS** and enter your User Code.
2. Enter the 3-digit zone number (002, 112, etc.) of the zone to be unbypassed.

Result: The LCD keypad will beep and a display will appear:

Example

UNBYPASSED Zne 2
Rear Door

LED: The LEDs of corresponding unbypassed zones will extinguish.

IMPORTANT!

- Zones which are bypassed are not protected when the system is armed.
- In UL installations, bypassed zones are automatically removed upon system disarming.

STAY

BYPASS

INSTANT

CODE

FORCED ARMING

Definition:

FORCED ARMING bypasses any zones which are not ready and will then ARM the system. It is an option which must be selected by the installer. The system will perform as in a normal arming procedure but faulted zones will be bypassed and will be unprotected.

Procedure:

1. Press **BYPASS** + USER CODE + **BYPASS**

Result:

- The LCD keypad will beep, the ARM/DISARM indicator will light and a display will appear:

Example

ON: AWAY 10:30p

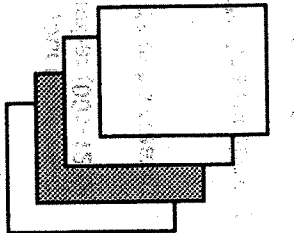
LED: The ARMED indicator will light.

IMPORTANT!

- This function is meant as an emergency procedure to allow system use with a faulty zone. Notify your alarm company that you cannot perform the READY procedures.
- This feature is NOT available on UL installations.
- Disarm this feature by entering your user code.

SECTION 3

SYSTEM PREPARATION



DATE	10/10/01
TIME	10:00
BY	USER #
REMARKS	

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ASSIGNING USER CODES

Definition:

This procedure allows up to 128 other people to use the system at seven levels of ability.

STAY

BYPASS

INSTANT

CODE

LEVEL AUTHORITY

- 1 Performs all functions including all user partitions.
- 2 Performs all functions; changes user partition access within the partitions where user is assigned.
- 3 ARM, DISARM, BYPASS, Program Users
- 4 ARM, DISARM, BYPASS
- 5 ARM, DISARM
- 6 DURESS code for emergencies
- 7 ARM only (for temporary help)

Authorization Level: Levels 1-3 only

Procedure:

1. Press **CODE**; enter your user code.
Enter 3-digit user number (001-128).
2. Enter 4-digit user code to be created.
3. Enter ability level 1-7. (See list above.)
4. Press * to exit or repeat step 2 to enter another user.

ENTER USER #
001-128, * to Exit

Enter User Code
* to exit, # erase

Enter AUTHORITY
1-7, * to exit

LED: The procedure is the same. Exit by pressing the * key.

IMPORTANT!

- If an error is made, the keypad will beep and repeat the question.
- The user number must be entered with 3 digits. For example, user number 3 is entered as 003.
- The installer can select a 7-digit user code. This number consists of the 3-digit user number together with a 4-digit user code. For example: User Number 023 + User Code 7942 produces a 7-digit user code 0237942. Consult your installer regarding your user code.
- NOTE: Obvious codes such as 1111 or 1234 should not be used.
- Temporary users such as the babysitter shall not be shown the bypass feature.

REMOVING USER CODES

Definition:

This procedure is used to remove previously assigned user codes.

STAY

BYPASS

INSTANT

CODE

Authorization Level: Levels 1-3

Procedure:

1. Press **CODE** and enter your user code.
2. Enter the user number (001-128) to be removed.
3. Press # to erase the user.
4. Press * to exit.

ENTER USER #
001-128, * to Exit

Enter User Code
* to exit, # erase

IMPORTANT!

- Codes can be removed by a level 1, 2 or 3 only.
- This procedure should be used only when the user code is being removed and not when being replaced by another code.

SETTING THE CLOCK

Description: This procedure sets the system calendar/clock.

Procedure:

1. Press # + 3 + User Code + 5
2. Enter the current hour (00-12).
3. Press **INSTANT** . Enter minutes (00-59). To change between PM/AM press **CODE** .
4. Press **INSTANT** . Enter month (01-12).
5. Press **INSTANT** . Enter day (01-31).
6. Press **INSTANT** . Enter year (00-99).
7. Press * to exit.

M HR Clock set	12:00p 10/21/90
M HR Clock set	04:00p 10/21/90
M MIN Clock set	04:30a 10/21/90
M MON Clock set	04:30a 12/21/90
M DAY Clock set	04:30a 12/25/90
Tu YR Clock set	04:30a 12/21/92

IMPORTANT!

- The system time will automatically adjust for leap years and daylight savings time.
- The system time must be reset if the AC power and battery have been removed.

DURESS

Description: The DURESS feature allows the system to send a silent alarm to the monitoring agency which indicates that the user is being forced to disarm the system and that an emergency exists.

Procedure: When defining user authorization level numbers, assigning a user a number 6 will allow that user code to send a duress message.

IMPORTANT!

- A DURESS code should only be used in the emergency condition described above. It should not be used as a daily arm/disarm code.
- This feature must be enabled by the installer. Contact your installer to determine whether this feature is applicable in your system.
- Special care should be used when creating a duress code since the use of that code will transmit a duress signal to the central station.

QUICK COMMANDS

Description: The following functions can be initiated by pressing # and then an appropriate single digit:

- | | |
|----------------------------|--------------------------|
| #0 Operate Multi-partition | #4 Zone Directory |
| #1 Quick Arming | #5 Quick Bypassing |
| #2 Quick Forced Arm | #6 Chime Mode |
| #3 Schedule/Time Set | #7 Assign User Partition |

Authorization Level: Some of the commands require specific user number authorization levels.

Procedure:

See the individual command descriptions which follow.

IMPORTANT!:

- QUICK COMMANDS are optional. Check with your installer to see which of the QUICK COMMANDS are applicable to your system.

QUICK COMMANDS

COMMAND: #0 Operate Multi-partition

Description: When the system has been separated into partitions this command permits authorized users to operate selected subsystems from any keypad in the system.

Procedure:

1. Press #0. Enter an authorized USER CODE.

2. Enter the partition number (1-8) or operation command (0, # or 9).

ENTER Part (0-9)
View, * Exit

Once you have gained access to the intended partition, the current partition status will be displayed. You may now perform any function for that partition. In addition to individual partition commands, the following commands are available:

ARM ALL PARTITIONS (0)

Enter 0 instead of a partition number. If unable to arm, NOT READY is displayed for the partition(s) which are not ready.

...ALL SYSTEMS
ARMED AND SECURED

NOT READY

VIEW MODE (#)

Enter # instead of a partition number. This command causes the display to scroll through the status of the partitions which the user is authorized. This should be performed prior to the ARM ALL (0) command.

DISARM ALL PARTITIONS (9)

Enter 9 instead of a partition number. This will disarm all partitions which the user is permitted to operate.

NOTE: In multi-partition mode, the keypad will return to the original partition after approximately 30 seconds of keypad inactivity.

QUICK COMMANDS

COMMAND: QUICK ARMING (#1)

Description:

This command arms the system in the AWAY mode without the use of a USER CODE.

Procedure:

Press # and then 1.

IMPORTANT:

- A USER CODE must be used to DISARM.
- This function must be enabled by your installer.

COMMAND: QUICK FORCED ARMING (#2)

Description:

This command automatically BYPASSES all burglary zones which are NOT READY and then arms the system in the AWAY mode without the use of a USER CODE.

Procedure:

Press # and then 2.

IMPORTANT:

- A USER CODE must be used to DISARM.
- Bypassed zones are not protected.
- This function must be enabled by your installer.

QUICK COMMANDS

COMMAND: TIME SET (3)

Description: This procedure sets the system calendar/clock.

Procedure:

1. Press # + 3 + User Code + 5
2. Enter the current hour (00-12).
3. Press **INSTANT**. Enter minutes (00-59). To change between PM/AM press **CODE**.
4. Press **INSTANT**. Enter month (00-12).
5. Press **INSTANT**. Enter day (01-31).
6. Press **INSTANT**. Enter year (00-99).
7. Press * to exit.

M HR Clock set
12:00p 10/21/90

M HR Clock set
04:00p 10/21/90

M MIN Clock set
04:30a 10/21/90

M MON Clock set
04:30a 12/21/90

M DAY Clock set
04:30a 12/25/90

Tu YR Clock set
04:30a 12/21/92

IMPORTANT!

- The system time will automatically adjust for leap years and daylight savings time.
- The system time must be reset if the AC power and battery have been removed for a long period of time.

QUICK COMMANDS

COMMAND: ZONE DIRECTORY (#4)

Description: This command causes the keypad to scroll through the zone descriptions of your system.

Procedure: Press # and then 4.
To exit from ZONE DIRECTORY, press *.

COMMAND: QUICK BYPASSING (#5)

Description: Allows BYPASS of burglary zones without the using a USER CODE.

Procedure: Press # and then 5 followed by the 3-digit zone number.
Example: # 5 012 bypasses zone 12.

COMMAND: CHIME MODE (#6)

Description: The keypad beeps when a selected zone is opened while the system is disarmed when this option is enabled in your system.

Procedure: Press #, then 6, and then 0 to turn the feature ON or OFF. Exit by pressing *.

CHIME is now ON
0 = Off, * = Exit

QUICK COMMANDS

COMMAND: ASSIGN USER PARTITIONS (#7)

Definition: This procedure allows an authorized user to modify the partition assignments of all user codes.

- User codes can be valid within multiple partitions.

Authorization Level: Levels 1-2. Level 1 USER CODES can access all partitions. Level 2 USER CODES can only gain access to those partitions to which they are assigned

Procedure:

1. Enter #7 followed by your USER CODE.

2. Enter the 3-digit user number to be mapped.

3. This displays the current access status of the entered user number. Add or remove the partition number by entering the partition number (1-8). If the number is visible then the user is valid in that partition. Press the * key upon completion.

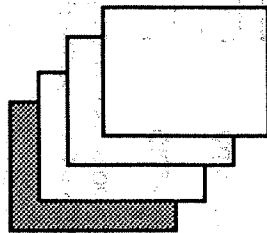
ENTER US# to MAP
001 - 128, *exit

SET 1-8 *=exit xxx
PART 12345678

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SECTION 4

SCHEDULES



YATP

YATP

SCHEDULES

Overview:

The system can maintain schedules which define building access during certain hours of the day on certain days of the year. System flexibility is maintained as it allows an authorized user to schedule OPEN and CLOSING times for all contingencies.

There are three schedule types:

NORMAL: This schedule is usually followed all year.

TEMPORARY: Temporary exceptions made to the normal schedule by extending a closing time or by re-defining the hours of a weekly schedule.

HOLIDAY: This defines permanent, long-term departures from the normal schedule.

Authorization: Levels 1, 2 or 3.

Controls:

Scheduling can be performed by using the system keypad. When using the keypad the following keys perform these functions:

Exit Mode: Clear Hour/Holiday:

Toggle AM/PM: Advance to field:

To previous day: To next day:

Enter SCHEDULES mode: # 3 + USER CODE + Function Code

Function Codes

- | | |
|----------------------------|---------------------|
| 1= Closing Extension Field | 4= HOLIDAY schedule |
| 2= NORMAL schedule | 5= Set DATE/TIME |
| 3= TEMPORARY schedule | 6= OPEN/CLOSE LOG |

IMPORTANT!

- Always enter hours, days and months as two-digit entries. (Example: one o'clock is entered as 01.)
- Edit entries by overwriting.
- An EXCEPTION WARNING PERIOD option which notifies the user that there are 15 minutes to a Late To Close condition, can be enabled by the installer.

SCHEDULES

EXTENDING THE CLOSING TIME OF THE CURRENT DAY

Definition:

This procedure allows the user to temporarily extend the closing time of the day the procedure is being performed.

Authorization: Level 1, 2, or 3.

Procedure:

1. Enter #3 + User Code + 1

2. Enter the normal closing hour (00-12). Press INSTANT to advance to the closing minute (MIN) field and enter the minutes (00-59). To change from AM to PM, press the CODE key.

3. Press * to exit. The NORMAL closing time has been extended.

Example: Extend closing time to 2:30PM

#3 + User Code + 1

02 + INSTANT

+ 30 + CODE

Press * to exit.

IMPORTANT!

- This is a temporary change for today only and the system automatically returns to the NORMAL schedule after midnight.

SCHEDULES

DEFINING A NORMAL SCHEDULE

Definition:

By defining everyday opening and closing times of a typical week, you can create a NORMAL schedule for the year. This schedule is valid throughout the year unless it is superseded by a Holiday or a Temporary schedule.

Procedure:

1. Enter #3 + User Code + 2
- The schedule starts on Sunday: advance day by pressing STAY .
2. Enter the 2-digit normal opening hour (NOH). Press INSTANT to advance to the normal opening minute (NOM) field.
3. Press INSTANT to advance to the normal closing hour (NCH) field and enter the 2-digit hour. Press INSTANT to advance to the closing minute (NCM) field and enter the minutes. To change AM/PM, press the CODE key.

Example: Normal Sunday Hours 9:30AM - 9:30PM

3 + User Code + 2

09 + INSTANT + 30 + INSTANT +
09 + INSTANT + 30 + CODE

Su Normal NOH
--:-- a --:--a

Su Normal NOH
09:30 a 09:30p

4. Press STAY to proceed to the next day and repeat the above procedure until the NORMAL weekly schedule is completed. Review the schedule by advancing through the days by pressing the STAY key; go backwards by pressing BYPASS.

5. Exit this mode by pressing *.

IMPORTANT!

- The NORMAL schedule is superseded by a HOLIDAY or a TEMPORARY schedule.
- The NORMAL schedule must be defined for each day of the week even if the schedules are the same of similar.

SCHEDULES

DEFINING A ONE-WEEK TEMPORARY SCHEDULE

Definition:

This procedure will provide a temporary departure from the NORMAL schedule for one week. For example, an entry made on Tuesday is valid from Wednesday to the following Tuesday.

Authorization: 1 or 2.

Procedure:

1. Enter #3 + User Code + 3
2. Press the STAY key to advance to the day that the entry is being made. The day appears in the upper left corner.
3. Enter the hour (00-12).
4. Press INSTANT enter the minute (00-59).
5. Press INSTANT enter the hour (00-12).
6. Press INSTANT enter the minutes (00-59). To change AM/PM, press the CODE key.
7. To create another TEMPORARY schedule, press the STAY key to advance to the desired day.
8. Exit this mode by pressing *.

Su Temp NOH
--:-- a --:--a

Su Temp NOH
09:-- a --:--a

Su Temp NOM
09:30 a --:--a

Su Temp NCH
09:30a 09:--a

Su Temp NCM
09:30a 09:30p

IMPORTANT!

- The TEMPORARY schedule will be effective for one week from the date of entry and will then return to the NORMAL or HOLIDAY schedule.
- A Temporary schedule is valid from the day following the day of entry until a week from the day of entry.

SCHEDULES

DEFINING THE HOLIDAY SCHEDULES

Definition:

This procedure defines all long-term departures from the NORMAL schedule. The system accommodates up to 64 HOLIDAY entries. When performing this procedure, the HOLIDAY date, opening/closing times, and applicable partition numbers will be defined.

Authorization: 1 or 2

Procedure:

1. Enter #3 + User Code + 4
2. Press 1 to add a new holiday. Enter the (01-12) month. Press INSTANT.
3. Enter the day (01-31); press INSTANT.
4. Enter the OPEN hour (00-12); press INSTANT.
5. Enter the OPEN minutes (00-59); press INSTANT.
6. Enter the CLOSE hour (00-12); press INSTANT.
7. Enter the CLOSE minutes (00-59); To change AM/PM, press CODE. Press INSTANT.
8. Enter the partition numbers (1-8) which pertain to this holiday. (Partitions 1,3,5,7 and 8 shown.)

Holiday (*) exit (1) add (2) edit

Hol (01) MON 07/— —:—a —:—a

Hol (01) MON 07/04 —:—a —:—a

Hol (01) MON 07/04 09:—a —:—a

Hol (01) MON 07/04 09:30a —:—a

Hol (01) MON 07/04 09:30a —:—a

Hol (01) MON 07/04 09:30a 09:30p

Hol (01) PRT 07/04 1 3 5 7 8

IMPORTANT!

- HOLIDAY schedules supersede all other schedule types.
- Holidays should be reviewed annually as their dates change from year to year.
- There are 64 holidays which may be defined.
- To edit existing holiday schedules, enter (2) on the first screen and use the STAY key to select the holiday.

SCHEDULES

SETTING THE CLOCK

Definition:

This procedure sets the system clock. The system will refer to this clock when performing all time related functions.

Procedure:

1. Enter #3 + User Code + 5

Tu HR Clock set 11:21a 10/21/91

2. Enter the hour (00-12), press INSTANT. Enter the minutes (00-59). To change AM/PM, press the CODE key.

3. Press INSTANT. Enter the Month (00-12), press INSTANT, the Day (01-31), press INSTANT, and the Year (00-99).

4. Press * to exit.

Example: Set clock to 11:21PM ; March 3, 1992

#3 + User Code + 5

Tu HR Clock set 11:21p 10/21/91

11 + INSTANT + 21 +CODE +

INSTANT + 03 + INSTANT + 01 +
INSTANT + 92

Su YR Clock set 11:21p 03/01/92

Notice that the day is coordinated to change to reflect the date.

SCHEDULES

VIEWING THE USER LOG

Definition:

This procedure allows an authorized user to read the OPEN/CLOSING activity of the entire system.

Authorization: 1 only

Procedure:

1. Enter #3 + User Code + 6
2. Press STAY and the log will display. Continue to press STAY to read each entry with the system log. Press BYPASS to scroll backwards through the log.

LOG: (STAY)=CONT
clear * exit

Line 1: Date and time of event
(in 24 hour notation).

MAR 04 21:30
OPEN 115 8

Line 2: Event type, User Number, and partition accessed.

EVENT TYPE:

OPEN: Normal Opening
LATE O: Late Opening
EARL O: Early Opening

CLOSE: Normal Closing
LATE C: Late Close
EARL C: Early Close

USER NUMBER: Numbers 1 - 128

PARTITION NUMBER: The number of the accessed partition.

Note: This function will display the activity of the current partition.

3. To exit, press *

SCHEDULES

EXCEPTION WARNING PERIOD

Definition:

This installer selected option causes the keypad to emit an audible alarm 15 minutes prior to the closing time, warning the user to arm the system.

Procedure:

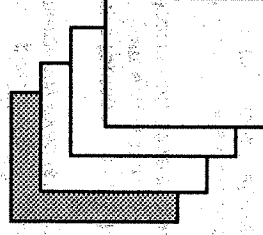
When this display appears you must arm the system and leave or extend the closing time. See the section in this manual entitled SCHEDULES: EXTENDING THE CLOSING TIME

END OF CLOSING
WINDOW in 15 Min

OF THE CURRENT DAY.

FINAL SECTION

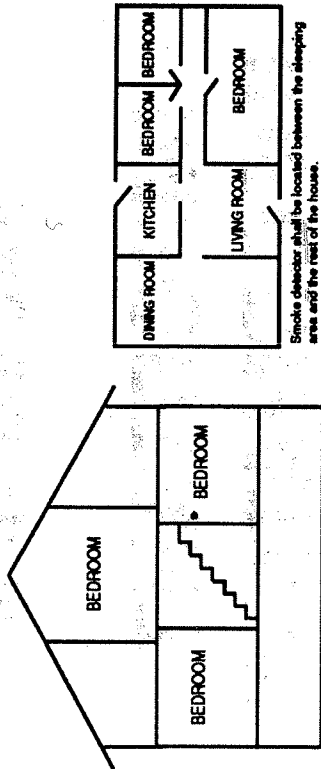
IMPORTANT INFORMATION



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INSTALLATION LAYOUT

Early warning fire detection is best achieved by the installation of fire detection equipment in the location as follows:



In homes with more than one sleeping area a smoke detector should be provided to protect each area.

Smoke detector shall be located between the sleeping area and the rest of the house.
NOTES:
1. Designates smoke detectors
2. Refer to N.F.P.A. 774 Appendix B-11 thru B-10

+ = Smoke Detector

Preparation of an evacuation plan is of prime importance in fire prevention. Establish a household emergency evacuation plan in the event of a fire.

1. Evaluate possible escape routes from your home.
2. Select 2 escape routes from each room.
3. Rooms on the second floor should have a rope ladder. Be sure that it will reach the ground.
4. Draw a rough sketch of your escape plan so everyone is familiar with it.
5. Practice your escape plan to assure that everyone knows what to do.
6. Establish a meeting place outside where your family is to report.
Once you have evacuated the house do not return to a burning house.
7. Advise the local fire authority that you have installed a fire alarm system.
8. When the fire alarm signals, LEAVE IMMEDIATELY. Do not stop for belongings.
9. If a fire occurs, test the door. If hot, use your alternate route. If the door is cool, brace your shoulder against it and open it cautiously. Shut the door to help prevent the fire and smoke from spreading. Crawl through smoke holding your breath.
10. Contact the Fire Department from a neighbor's house.
11. Everyone, including neighbors, should be familiar with Fire and Burglary signals.

In this installation, the Fire Alarm signal is _____
In this installation, the Burglar Alarm signal is _____

SYSTEM LIMITATIONS

- Passive Infrared Motion Detectors can only detect intrusion within the designed ranges as diagrammed in their installation manual. Passive Infrared Detectors do not provide volumetric area protection. They do create multiple beams of protection, and intrusion can only be detected in unobstructed areas covered by the beams. They cannot detect motion or intrusion that takes place behind walls, ceilings, floors, closed doors, glass partitions, glass doors, or window. Mechanical tempering, masking, painting, or spraying, of any material on the mirrors, windows or any part of the optical system can reduce their detection ability. Passive Infrared Detectors sense changes in temperature; however, as the ambient temperature of the protected area approaches the temperature range 90 degrees to 150 degrees Fahrenheit, the detection performance can decrease.
- Alarm warning devices such as sirens, bells or horns may not alert people or wake up sleepers who are located on the other side of a closed or partly open doors. If warning devices sound on a different level of the residence from the bedrooms, then they are less likely to wake or alert people inside the bedrooms. Even persons who are awake may not hear the warning if the alarm is muffled by noise from a stereo, radio, air conditioner or other appliances, or by passing traffic. Finally, alarm warning devices, however loud, may not warn hearing-impaired people or waken deep sleepers.
- Telephone lines needed to transmit alarm signals from a premises to a central monitoring station may be out of service or temporarily out of service. Telephone lines are also subject to compromise by sophisticated intruders.
- Even if the system responds to the emergency as intended, however, occupants may have insufficient time to protect themselves from the emergency situation. In the case of a monitored alarm system, authorities may not respond appropriately.
- This equipment, like other electrical devices, is subject to component failure. Even though this equipment is designed to last a long as 10 years, the electronic components could fail at any time.
- The most common cause of an alarm system not functioning when an intrusion or fire occurs is inadequate maintenance. This alarm system should be tested weekly to make sure that all sensors are working properly.
- Installing an alarm system may make one eligible for lower insurance rates, but an alarm system is not a substitute for insurance. Homeowners, property owners and insurers should continue to act prudently in protecting themselves and continue to insure their lives and property.
- We continue to develop new and improved protection devices. Users of alarm systems should continue to learn about these developments.

SYSTEM LIMITATIONS

WARNING

THE LIMITATIONS OF THIS ALARM SYSTEM

While this system is an advanced design security system, it does not offer guaranteed protection against burglary, fire, or other emergency. Any alarm system, whether commercial or residential, is subject to compromise or failure to warn for a variety of reasons. For example:

- Intruders may gain access through unprotected openings or have the technical sophistication to bypass an alarm sensor or disconnect an alarm warning device.
- Intrusion detectors (e.g. passive infrared detectors), smoke detectors, and many other sensing devices will not work without batteries, with dead batteries, or if the batteries are not put in properly. Devices powered solely by AC will not work if their AC power supply is cut off for any reason, however briefly.
- Signals sent by wireless transmitters may be blocked or reflected by metal before they reach the alarm receiver. Even if the signal path has been recently checked during a weekly test, blockage can occur if a metal object is moved into the path.
- A user may not be able to reach a panic or emergency button quickly enough.
- While smoke detectors have played a key role in reducing residential fire deaths in the United States, they may not activate or provide early warning for a variety of reasons in as many as 35% of all fires, according to data published by the Federal Emergency Management Agency. Some of the reasons smoke detectors used in conjunction with this System may not work are as follows. Smoke detectors may not sense that start where smoke cannot reach the detectors, such as in chimneys, in walls, or roofs, or on the other side of closed doors. Smoke detectors also may not sense a fire on another level of a residence or building. A second floor detector, for example, may not sense a first floor or basement fire. Moreover, smoke detectors have sensing limitations. No smoke detector can sense every kind of fire every time. In general, detectors may not always warn about fires caused by carelessness and safety hazards like smoking in bed, violent explosions, violent explosions, escaping gas, improper storage of flammable materials, overloaded electrical circuits, children playing with matches, or arson. Depending on the nature of the fire and/or the location of the smoke detectors, the detector, even if it operates as anticipated, may not provide sufficient warning to allow all occupants to escape in time to prevent injury or death.

SECURITY DIMENSIONS ONE YEAR LIMITED WARRANTY

Security Dimensions, a division of Fire Burglary Instruments, Inc., a subsidiary of Praxair Corporation, and its divisions, subsidiaries and affiliates ("Seller"), 149 Eileen Way, Syosset, New York 11791, warrants its security equipment (the "product") to be free from defects in material and workmanship for one year from date of original purchase, under normal use and service. Seller's obligation is limited to repairing or replacing, at its option, free of charge for parts, labor, or transportation, any part proven to be defective in materials or workmanship under normal use and service. Seller shall have no obligation under this warranty or otherwise if the product is altered or improperly repaired or serviced by anyone other than the Seller. In case of defect, contact the security professional who installed and maintains your security equipment or the Seller for product repair.

This one year Limited Warranty is in lieu of all other expressed warranties, obligations or liabilities. THERE ARE NO EXPRESS WARRANTIES, WHICH EXTEND BEYOND THE FACE HEREOF. ANY IMPLIED WARRANTIES, OBLIGATIONS OR LIABILITIES MADE BY SELLER IN CONNECTION WITH THIS PRODUCT, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, ARE LIMITED IN DURATION TO A PERIOD OF ONE YEAR FROM THE DATE OF ORIGINAL PURCHASE. ANY ACTION FOR BREACH OF ANY WARRANTY, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY, MUST BE BROUGHT WITHIN 18 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL SELLER BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, OR UPON ANY OTHER BASIS OF LIABILITY WHATSOEVER, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT. Some states do not allow limitation on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Seller does not represent that the product may not be compromised or circumvented; that the product will prevent any personal injury or property loss by burglary, robbery, fire, or otherwise; or that the product will in all cases provide adequate warning or protection. Buyer understands that a properly installed and maintained alarm may only reduce the risk of a burglary, robbery or fire occurring without providing an alarm, but it is not insurance of a guarantee that such will not occur or that there will be no personal injury or property loss as a result. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. HOWEVER, IF SELLER IS HELD LIABLE, WHETHER DIRECTLY OR INDIRECTLY, FOR ANY LOSS OR DAMAGE ARISING UNDER THIS LIMITED WARRANTY OR OTHERWISE, REGARDLESS OF CAUSE OR ORIGIN, SELLER'S MAXIMUM LIABILITY SHALL NOT IN ANY CASE EXCEED THE PURCHASE PRICE OF THE PRODUCT, WHICH SHALL BE THE COMPLETE AND EXCLUSIVE REMEDY AGAINST SELLER. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. No increase of alteration, written or oral, to this warranty is authorized.

FEDERAL COMMUNICATIONS COMMISSION (FCC) STATEMENT

This equipment has been tested to FCC requirements and has been found acceptable for use. The FCC requires the following statement for your information:

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a class B computing device in accordance with the specifications in Subpart J Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment on, the user is encouraged to try and correct the interference by one or more of the following measures:

- If using an indoor antenna, have a quality outdoor antenna installed.
- Re-orient the receiving antenna until interference is reduced or eliminated.
- Move the receiver away from the controller/communicator.
- Move the antenna leads away from any wire runs to the control/communicator.
- Plug the control/communicator into a different outlet so that it and the receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions.

The user or installer may find the following booklet prepared by the Federal Communications Commission helpful: "Interference Handbook".

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402. Stock No. 004-000-00450-7.

The user shall not make any changes or modifications to the equipment unless authorized by the installation instructions or User's Manual. Unauthorized changes or modifications could void the user's authority to operate the equipment.

IN THE EVENT OF TELEPHONE OPERATIONAL PROBLEMS

In the event of telephone operational problems, disconnect the control by removing the plug from the RJ31X wall jack. We recommend that your certified installer demonstrate disconnecting the phones on installation of the system. Do not disconnect the phone connection inside the control/communicator. Doing so will result in the loss of your phone lines. If the regular phone works correctly after the control/communicator has been disconnected from the phone lines, the control/communicator has a problem and should be returned for repair. If upon disconnection of the control/communicator, there is still a problem on the line, notify the telephone company that they have a problem and request prompt repair service. The user may not under any circumstances (in or out of warranty) attempt any service or repairs to the system. It must be returned to the factory or an authorized service agency for all repairs.

SYSTEM INFORMATION

Complete this form, make a Xerox copy of what you have written and forward the copy to your insurance carrier. Keep this information and the manual in a safe place. Be certain to make your insurance carrier aware of any changes as they occur.

GENERAL INFORMATION:

Name _____

Street _____

State/Zip Code _____

Insurance Company _____

Agent _____

Phone Number _____

Policy Number _____

AGENCY INFORMATION

Installation Company: _____

Street Address: _____

State/Zip Code: _____

Phone Number: _____

Svc./Monitoring Co.: _____

Street Address: _____

State/Zip Code: _____

Phone Number: _____

(continued)

SYSTEM INFORMATION

(Circle all which apply)

System Type: Security Dimensions powered by AC with a rechargeable power supply.

Alarm Type: Burglary Fire Both
Notifies: Local Fire Dept. Police Dept.
Central Station

Tested: Quarterly Monthly Weekly
Daily Other

Smoke Detector Locations:

Furnace Kitchen Bedroom Attic
Basement Living Room Dining Room Hall

Burglary Detection Locations:

Front Door Rear Door Cellar Door Exterior Doors
Interior First Floor Windows All Windows

All Accessible Openings (skylights, air conditioners, and vents.

ADDITIONAL INFORMATION/COMMENTS:

Signature: _____ Date: _____

SYSTEM TESTING

This control unit was manufactured under rigid quality standards and complies with all UL requirements for its intended use. Maintenance is best performed by your installing company with trained service personnel.

Installing Co.: _____ Phone: (____) _____

It is recommended that you test your system once a week using the following procedure:

SYSTEM TEST

1. Arm your security system.
 2. Activate the system by opening a protected zone (for example: a window or a door).
 3. Confirm that the alarm sounding device (bell or siren) activates. If your system is connected to a central station then the keypad will emit a ringback sound to confirm that the signal was received.
 4. Disarm the system to silence the alarm and return to normal status.
- NOTE: If your system is monitored, contact the central station before performing this test.**

BATTERY TEST

In order to test the backup battery, the following procedure should be performed:

1. Remove the AC transformer from the AC outlet by removing the restraining screw which secures the transformer to the wall. (Note: the screw is not present on models sold in Canada.)
2. Observe that the AC light on the keypad goes off.
3. Activate your alarm system by performing the above SYSTEM TEST.
4. Replace the transformer to the AC outlet and secure with the retaining screw. (Note: the screw is not present on models sold in Canada.)

The National Fire Protection Association publishes a standard for fire warning equipment (NFPA publication #74). Further information can be obtained by contacting: NFPA Public Affairs Dept., Batterymarch Park, Quincy, MA 02269.

If you have any further questions about the operation of your system, please contact your installer.