

4 Securing the Premises

To Load a Bypass Group (Continued)

6. The group of zones are now bypassed. The following message briefly displays.

```
Bypass Group  
Zones Bypassed
```

then

```
Press (*) for <>  
Bypass Group
```

7. To exit bypassing mode and return to the Ready state, press .



```
System is  
Ready to Arm
```







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5 Emergency Keys and Alarms

5.1 Emergency Keys

IMPORTANT: EMERGENCY USE ONLY!

Pressing both the emergency keys generates a Fire, Medical, or Panic Alarm, and alerts the monitoring station. e.g., to generate a panic alarm press both of the panic alarm keys   for 2 seconds. The keypad beeps to indicate that the alarm input has been accepted and sent to the monitoring station.

-   Fire Alarm
 -   Panic Alarm
 -   Medical Alarm
-

NOTES: Verify with your alarm company that your system is equipped with emergency keys.

Fire keys can be disabled by the installer.

Having an optional audio verification module installed in your system allows the monitoring station to open 2-way communication when notified of an alarm.

5.2 Alarms

The system can generate three different alarm sounds, each with a different purpose and priority.

Table 5-1 Alarm Types

Priority	Type of Alarm	What you hear
1	Fire	Temporal/ Pulsed Siren
2	Carbon Monoxide	4 beeps, 5 second pause, 4 beeps
3	Intrusion (Burglary)	Continuous Siren

5.2.1 Intrusion (Burglary) Alarm - Continuous Siren



If you are unsure of the source of the alarm approach with caution!

If the Intrusion alarm was accidental

1. Enter your Access Code to silence the alarm.
2. Call your central station to avoid a dispatch.

5.2.2 Fire Alarm - Pulsed Siren

Follow your emergency evacuation plan immediately!

If the Fire Alarm was Accidental (i.e. burned toast, bathroom steam, etc.)

1. Enter your Access Code to silence the alarm.
 2. Call your central station to avoid a dispatch.
-

NOTE: Verify with your alarm company that your system is equipped with fire detection.

For information on resetting detectors see 5.4 “Resetting Sensors”.

5 Emergency Keys and Alarms

5.3 Carbon Monoxide Alarm - 4 beeps, long pause, 4 beeps

WARNING: Carefully review your Carbon Monoxide Alarm Installation/User Guide to determine the necessary actions required to ensure your safety and ensure that the equipment is operating correctly. Incorporate the steps outlined in the guide into your evacuation plan.

Activation of your CO alarm indicates the presence of carbon monoxide (CO), which can be fatal. During an alarm:

- The red LED on the CO detector flashes rapidly and buzzer sounds with a repeating cadence of: 4 quick beeps, 5-second pause, 4 quick beeps.
- The siren connected to the control panel produces the same cadence as above.:
- The keypad provides audible and visual indication of the CO alarm.

If the Carbon Monoxide Alarm Sounds


1. Operate silence button.
2. Call emergency services or your fire department.
3. Immediately move outdoors or to an open door/window.

5.4 Resetting Sensors

After having detected an alarm condition certain sensors require a reset to exit the alarm condition (i.e. glass break sensors, smoke detectors, etc.).

NOTE: Verify with your alarm company if this function is required on your system.

To Reset the Sensors

- Press and hold  on the keypad for 2 seconds. If the sensor reset is successful, the alarm is cancelled.
- If a sensor fails to reset, it may still be detecting an alarm condition. If unsuccessful, the alarm will reactivate or continue.




5.5 Viewing Alarms in memory

When an alarm occurs the keypad indicator illuminates. Viewing the Alarm memory provides more information on the sensor(s) that were tripped.

To View Alarms in Memory

- Press  

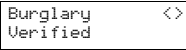
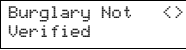
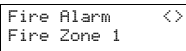
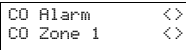
OR

use the scroll keys   to navigate to Alarm Memory and press . The Alarm information will display. For more information on the messages that could be displayed see 5.5.1 "Alarm Messages".

What you see

Press (*) for <>
Alarm Memory

5.5.1 Alarm Messages

What you see	What it means
	Multiple burglary sensors were tripped. Central station has been notified.
	A single burglary sensor was tripped. Central station has been notified.
	Fire alarm has been triggered. Central station has been notified.
	CO alarm has been triggered. Central station has been notified.

6 Wireless Keys and other Devices

In addition to the keypad, the HS Series system can be controlled using a variety of devices:

- 2-way wireless keys
- Proximity Tags
- via SMS using a cellphone.

6.1 Using the 2-way Wireless Key

2-way wireless keys allow users in the close proximity of their house the ability to readily arm/disarm their system, and to call for help. For information on enrolling wireless keys see 7.1.3 "Enrolling Wireless Keys".

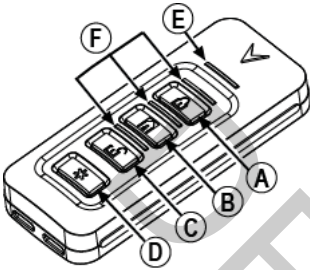


Figure 6-1 PGx929

- A Arm "Away" / Arm "Latchkey"
- B Arm "Home"
- C Disarm
- D Aux
- E Transmission LED
- F Status LEDs

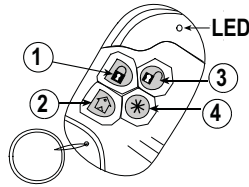


Figure 6-2 PGx939

- A Arm "Away"
- B Arm "Home"
- C LED
- D Disarm
- E Aux

6.2 Using Proximity Tags

Proximity tags are ideal for people who have difficulties remembering codes or who do not interact with the system regularly. To operate properly Proximity tags must be enrolled in the system.

For more information see 7.1.2 "Enrolling and Deleting Proximity Tags".

6.3 SMS Command and Control

SMS Command and Control allows you to send text messages to your system, enabling the system to perform certain actions. For a list of commands and how to send them see Table 6-1. As a security measure, only phone numbers configured by your installer will be permitted to contact your system. Messages from all other phone numbers will be rejected.

NOTE: Must be enabled and configured by installer.

6 Wireless Keys and other Devices

6.3.1 Using the Keypad to Lookup the Number to Call for SMS Commands

The phone number of the system is programmed by the installer. To quickly find the phone number perform the following steps.

To find the System's Phone Number

1. Check that the Ready \checkmark indicator is on and the system is disarmed.

2. Press \star \square

OR

press \star and use the scroll keys \leftarrow \rightarrow to navigate to User Functions and press \star . If required enter your [access code].

3. Press \square \square or use the scroll keys \leftarrow \rightarrow to navigate to SMS Programming and press \star

4. Scroll \leftarrow \rightarrow to navigate to SMS Programming and press \star . The phone number to send your SMS commands to displays.

What you see

Date	Time
JAN 02/13	2:06a

Press (*) for <> User Functions

Press (*) for <> SMS Programming

Press (*) for <> GSM Phone No.

6.3.2 Sending SMS Commands to your System

In order to successfully send commands to your system from your cellphone, you must send SMS messages in the proper format. If configured, commands require the inclusion of a User Access Code in your message. The access code will be verified by the system before executing any commands.

Additional information about sending SMS commands:

- Text messages are not case sensitive and extra spaces are ignored.
- In multi-partition systems and if the User has rights to manage the desired partitions, commands can be sent to specific partitions by including the partition number. For more information on partitions see section 10 "Managing Partitions".
- If the panel is configured to require an Access Code and the code is not sent or is invalid, the panel will send a notification to the user advising the command was unsuccessful.

Table 6-1 lists all available SMS commands with examples of how to enter the Partition number and access codes. The format for entering commands is as follows:

Command	Partition number	Access Code
Stay Arm	001	1234

NOTES: Verify with your installer that the Partition number and access code are required in your SMS message. If one or both are not required, do not enter them in your SMS message.

Responses to Status and Alarm Memory requests may require more than 1 SMS message, depending on status of the system. There is a 10 second delay between transmission of SMS messages.

Table 6-1 SMS Commands

Commands	Notes
Stay Arm	Stay arms the system.
Away Arm	Away arms the system.
Night Arm	Night arms the system.
Disarm	Disarms the system.
Activate Command Output 1	Activates Output 1.

6 Wireless Keys and other Devices

Table 6-1 SMS Commands (Continued)

Commands	Notes
Activate Command Output 2	Activates Output 2.
Activate Command Output 3	Activates Output 3.
Activate Command Output 4	Activates Output 4.
Deactivate Command Output 1	Deactivates Output 1.
Deactivate Command Output 2	Deactivates Output 2.
Deactivate Command Output 3	Deactivates Output 3.
Deactivate Command Output 4	Deactivates Output 4.
Bypass 001	Bypasses specified zone number.
Unbypass 001	Clears the bypass from the specified zone number.
Status Request	Omitting the partition number causes the system to send a status report for all partitions. To request a status report for a specific partition enter the appropriate partition number.
Alarm Memory Request	Omitting the partition number causes the system to send a status report for all partitions. To request a status report for a specific partition enter the appropriate partition number.
Help	The Help command generates an SMS response listing all Interactive commands that can be sent to the module. Access Code is not required.

6.3.3 SMS Responses from your System

SMS responses are sent to the phone that initiated the command.

Table 6-2 System SMS Responses

System Response	Notes
Successful	Sent when a command and control function is successfully performed by the panel
Unsuccessful	Sent when a command and control function not successfully performed by the panel
Invalid Command	Sent when a command sent was not accepted as valid by the system.
System Stay Armed	Sent in response to a status request and if a partition is stay armed
System Away Armed	Sent in response to a status request and if a partition is away armed
System Night Armed	Sent in response to a status request and if a partition is night armed
System Disarmed Ready	Sent in response to a status request and if a partition is disarmed and ready to arm.
System Disarmed Not Ready	Sent in response to a status request and if a partition is disarmed and is not ready to arm.
System is in Alarm	Sent in response to a status request and if a partition is in alarm.
Service is Required	Sent in response to a status request and if a partition is in trouble.
No Alarm Memory	Sent in response to a alarm memory request and there are no alarms in memory.

7 Managing Users

7.1 User Codes

Up to 95 different users can be programmed in the HS Series. Each user can be:

- Uniquely labeled.
- Assigned an access code.
- Assigned a proximity tag and/or wireless key (key fob). In order to operate, proximity tags and wireless keys must be enrolled in the system.
- Assigned to only operate specific partitions. For more information on partitions see section 10 "Managing Partitions".
- Configured with additional attributes. For more information see 7.2 "Configuring additional User Options".

NOTE: Your installer configures all access codes to be either 4 or 6 digits. You cannot have access codes of both lengths on your system.

Programmed zones are flagged in the LCD screen. For more information on user flags see Table 7-1.

Table 7-1 User Flags

LCD Display	Flag	Description
User Code 01 -	-	Unprogrammed code.
User Code 01 P	P	Programmed code.
User Code 01 T	T	Code and tag/key are programmed.

To Access the User Codes Menu

1. Press ***** **5**

OR

press ***** and use the scroll keys **<** **>** to navigate to User Codes and press *****.

2. Enter [Master or supervisor code] and scroll through the list of Users. To edit a desired user press *****.

3. To go back to the Ready state press **#**.

What you see

Press (*) for <>
User Functions

Enter Master
Access Code

then

Press (*) for <>
{User Label}

7 Managing Users

7.1.1 Access Codes

Each configured user is assigned a number from 01-95. When creating access codes the following criteria applies:

- Codes cannot be duplicated.
- New codes must differ from existing codes by more than one digit (e.g., if 1234 exists, 1235 is invalid).

To Add or Change User Access Codes

1. From the User Codes menu (◀ ▶) scroll to the label or enter the number of the desired user (01-95) and press (★).
2. Press (★) or (1).
3. Enter a new 4 or 6 digit access code. After entering a new code you will be automatically returned to the previous menu and the flag is changed to P from -. If a duplicate code is entered the error tone will sound.

What you see

```
Press (*) for <>
User Code 03 -
```

```
Press (*) for <>
Access Code
```

```
Enter New Code
XXXXXX
```

then

```
Press (*) for <>
User Code 03 P
```

To Delete a User Access Code

1. From the User Codes menu (◀ ▶) scroll to the label or enter the number of the desired user (01-95) and press (★).
1. Press (★) or (1).
2. Scroll to the desired user code and press (★).
3. Press (★) and the code is deleted, and you are returned to the previous screen. The flag is changed to - from P.

What you see

```
Press (*) for <>
User Code 03 P
```

```
Press (*) for <>
Access Code
```

```
(* ) to Edit <>
User Code 03 P
```

```
Enter New Code
030516
```

then

```
(* ) to Edit <>
User Code 03 -
```

7.1.2 Enrolling and Deleting Proximity Tags

When enrolling or deleting proximity tags for a user, the system provides a choice of option depending on if tag is already enrolled or not. For more information on see 6.2 "Using Proximity Tags".

To Enroll a Proximity Tag

1. From the User Codes menu press (Ⓜ) or (◀ ▶) scroll to Prox Tag and press (★).
2. If no tag is enrolled for this user you will be asked to present the tag to the reader.
 - If the card successfully enrolls.
 - If the tag is invalid.
 - If the tag already is enrolled with another user.

What you see

```
Press (*) for <>
Prox Tag
```

```
Present Tag or
Press # to Exit
```

```
Tag Enrolled
Successfully
```

```
Invalid Tag
Not Enrolled
```

```
Duplicate Tag
Not Enrolled
```


7 Managing Users

To Delete a Proximity Tag

1. From the User Codes menu press **2** or **<>** scroll to Prox Tag and press *****.
2. If a tag is enrolled for this user you will be asked if you would like to delete the Tag. Press ***** to delete the tag.

What you see

Press (*) for <>
Prox Tag

* To Delete Tag
Press # to Exit

Tag Deleted
Successfully

7.1.3 Enrolling Wireless Keys

When enrolling or deleting wireless keys the system provides a choice of option depending on if key is enrolled or not. For more information see 6.1 "Using the 2-way Wireless Key".

To Enroll a Wireless Key

1. From the User Codes menu press **3** or **<>** scroll to Keyfob and press ***** or press.
2. If no key is enrolled for this user you will be asked to enroll the key or enter the ID. Either press a button on the wireless key or use the keypad to enter in the ID number.

What you see

Press (*) for <>
Keyfob

Enroll Now or
Entr ID:XXX-XXXX

Device Enrolled
Successfully

To Delete a Wireless Key

1. From the User Codes press **3** or menu **<>** scroll to Keyfob and press *****.
2. If a key is enrolled for this user you will be asked if you would like to delete the key. Press ***** to delete the key.

What you see

Press (*) for <>
Keyfob

* To Delete Key
Press # to Exit

Key Deleted
Successfully

7.1.4 Naming a User

Adding or editing labels is accomplished by using the keypad to input the desired letters or numbers. Figure 7-1 depicts the three letters and one number that corresponds to each keypad button. The first press of the number key displays the first letter. The second press displays the second letter, etc.

1	2	3
A, B, C, 1	D, E, F, 2	G, H, I, 3
4	5	6
J, K, L, 4	M, N, O, 5	P, Q, R, 6
7	8	9
S, T, U, 7	V, W, X, 8	Y, Z, 9, 0
	0	
	Space	

Figure 7-1 Entering letters using the keypad

To Edit a User Label

1. From the User Codes menu press **4** or **<>** scroll to User Labels and press *****.

What you see

Press (*) for <>
User Labels

7 Managing Users

To Edit a User Label (Continued)

2. Use the arrow keys (< >) to move the cursor to a blank space or existing character.
3. Press the number key corresponding to the appropriate letter as shown in Figure 7-1.
4. When the required letter or number is displayed use the arrow keys (< >) to scroll to the next letter.
5. When finished, press the (*) key, use the (< >) keys to scroll to Save then press (*).

What you see

```
Program Name  
{User 1 Label}
```

7.1.5 Assigning a Partition to a User code

User codes can be configured to have access only to specific partitions. For more information see section 10 "Managing Partitions".

NOTE: Partitions are configured by your installer.

To Assign a Partition to a User code

1. From the User Codes menu press (5) or (< >) scroll to Partition Assign and press (*).
2. Press (*) to toggle assigning, Y or N, the partition to the user.

What you see

```
Press (*) for <>  
Partition Assign
```

```
(* To Toggle <>  
{Partition Lb} Y
```

7.2 Configuring additional User Options

Users can also be assigned the following options:

Supervisor

Use when you want to allow additional users to manage User Codes or User Functions. Supervisor codes created by the master code will have the same attributes as the master code. Supervisor codes created by another supervisor code will have the same attributes, except the supervisor attribute. Must be assigned manually afterwards. After creation, attributes can be changed for all supervisor codes.

Duress Code

Use when forced to access your keypad under threat. A Duress Code operates your system normally but transmits a Duress Report to your monitoring station.

Zone Bypass

Grants the user the ability to bypass zones.

Remote Access

Grants the user the ability to use SMS features. For more information see 6.3 "SMS Command and Control"

Bell Squawk

Use to generate a bell squawk when arming/disarming the system.

One Time Use

Use when needing to grant someone one time access to your home for a 24-hour period, i.e., a cleaning person or contractor. During the 24-hour period the user can only disarm the system once, but has no restriction on the number of times they can arm the system.

To Configure additional User Options

1. From the desired user code press (5) or (< >) scroll to User Options and press (*).

What you see

```
Press (*) for <>  
User Options
```

7 Managing Users

To Configure additional User Options

2. Use the <> keys to cycle through the User Options and press * to toggle configuring the displayed option.

What you see

<*> To Toggle <>
Bell Squawk Y

7.3 Maintenance Code

A Maintenance code is a system user code that can only arm and disarm the system. There are no restrictions on the number of times that a Maintenance code can be used successfully. For additional security, a Maintenance code can be configured to require the presentation of a proximity tag.

NOTE: Maintenance code is configured by your installer.

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8 Configuring User Functions

8.1 Selecting your language

The HS Series supports multiple languages.

To choose your language

1. Press **<** **>** together for 2 seconds.
2. Scroll through the options to your desired language. To confirm your selection press ***** or **#**.

What you see

```
Language <>
English
```

```
2400364
V1.13 ENG L50
```

8.2 Turning the Chime ON/OFF

Turning the chime on audibly notifies you whenever an entry/exit sensor is tripped.

To turn the Chime ON or OFF

1. Press ***** **4** to toggle the Chime ON or OFF.

What you see

```
Door Chime
Feature ON
```

```
Door Chime
Feature OFF
```

8.3 User Functions

The HS Series allows for a variety of user configurable functions as listed below:

- Event Buffer
- Auto Arm Time
- Late To Open
- Contrast Control
- Time and Date
- System Service/DLS
- Late To Open Time
- Buzzer Control
- Auto Arm/Disarm
- User Call-up
- Brightness Control

NOTES: User Functions can only be modified when the system is disarmed.
User function shortcut keys use two digits.

To access the User Function menu

1. Press ***** **6**
OR
press ***** and use the scroll keys **<** **>** to navigate to User Functions and press *****.
2. Enter Master code and scroll through the options listed above.

What you see

```
Press (*) for <>
User Functions
```

```
Enter Master
Access Code
then
```

```
Select Option <>
Event Buffers
```

3. To go back to the Ready state press **#**.

8 Configuring User Functions

8.3.1 Event Buffer

The Event Buffer displays a list of the last 1000 events on your system. You may only view the event buffer using an LCD keypad.

To view the Event Buffer

1. From the User Function menu (◀) (▶) scroll to Event Buffer and press (*).
2. Press (◀) (▶) to scroll through the Event Buffer. When finished press (#) to return to the Ready state.

What you see

Select Option <>
Event Buffer

000X-Message
Time/Date

8.3.2 Setting the Time and Date

To Set the Time and Date

1. From the User Function menu use the shortcut key (0) (1) or press (◀) (▶) to scroll to Time and Date and press (*).
2. Use the number keys to set the time and date. When finished press (#) to return to the Ready state.

What you see

Select Option <>
Time and Date

HH:MM MM/DD/YY
11:12 01/14/13

8.3.3 Enabling/Disabling the Auto Arm/Disarm Feature

NOTE: Access to this feature must be configured by installer.

To enable/disable Auto Arm/Disarm

1. From the User Function menu use the shortcut key (0) (2) or press (◀) (▶) to scroll to Auto Arm/Disarm.
2. Press (*) to enable/disable the Auto Arm/Disarm feature.
3. When finished press (#) to return to the Ready state.

What you see

Press (*) for <>
Auto Arm/Disarm

Auto Arm/Disarm
is Enabled

or

Auto Arm/Disarm
is Disabled

8.3.4 Setting the Auto Arm Time

The system can be configured to Auto arm at a specific time on each day of the week. If a specific time is not configured for a day of the week the system will not arm automatically on that day.

NOTE: Access to this feature must be configured by installer.

To set the Auto Arm time

1. From the User Function menu use the shortcut key (0) (3) or press (◀) (▶) to scroll to Auto Arm Time.
2. Press (*) to open a days of the week sub menu. Scroll the days of the week and press (*) to set the time for that day.
3. Using a 24 hour format, set the desired time. After you enter the fourth digit the screen will revert back to the previous day of the week menu.

What you see

Press (*) for <>
Auto Arm Time

Press (*) for <>
Sunday

Set 24Hr Time
Enter HH:MM 9999

8 Configuring User Functions

To set the Auto Arm time (Continued)

4. Continue setting the time for the desired days of the week. When finished press **#** to return to the Ready state.

What you see

```
Set 24Hr Time
Enter HH:MM 9999
```

NOTE: If you set an invalid time the error tone will sound.

8.3.5 Allowing the installer to service your system remotely - DLS

Occasionally, your installer may need to remotely access the Installer programming of your security system using Downloading Software (DLS). In order for this to successfully occur, you may need to manually allow access to your system.

NOTE: Access to this feature must be configured by installer.

To enable/disable the System Service/DLS

1. From the User Function menu use the shortcut key **0** **5** or press **<** **>** to scroll to SystemServ/DLS.
2. Press ***** to enable/disable the SystemServ/DLS feature.
3. When finished press **#** to return to the Ready state.

What you see

```
Press (*) for <>
SystemServ/DLS
```

```
SystemServ/DLS
is Enabled
```

or

```
Auto Arm/Disarm
is Disabled
```

8.3.6 User Callup

Using DLS, User Call-up allows your system to make one attempt to connect to the installer's remote computer. For a successful connection, the remote computer must be waiting for the system's call.

NOTE: Access to this feature must be configured by installer.

To perform a User Callup

1. From the User Function menu use the shortcut key **0** **6** or press **<** **>** to scroll to User Callup.
2. When finished press **#** to return to the Ready state.

What you see

```
Press (*) for <>
User Callup
```

8.3.7 Late to Open

Typically used to track children after school, the Late to Open feature allows you to be notified if your alarm system is not disarmed by a programmed time of day.

For example, if you arrive from work at 5pm, and your child arrives home at 4 p.m. you could set the programmable time for 4:15 p.m. If the system is not disarmed by 4:15 an alert would be sent to the monitoring station and an event will be stored in the event buffer viewable from an LCD keypad. If SMS notifications are configured for your system the monitoring station will notify you via SMS message. For more information see 8.3.1 "Event Buffer".

NOTE: Access to this feature must be configured by installer.

To enable/disable Late to Open

1. From the User Function menu use the shortcut key **0** **9** or press **<** **>** to scroll to Late to Open.

What you see

```
Press (*) for <>
Late to Open
```

8 Configuring User Functions

To enable/disable Late to Open

2. Press ***** to enable/disable the Late to Open feature.
3. When finished press **#** to return to the Ready state.

What you see

```
Late to Open  
is Enabled
```

or

```
Late to Open  
is Disabled
```

To set the Late to Open time

1. From the User Function menu use the shortcut key **1** **3** or press **<** **>** to scroll to Late to Open Time.
2. Press ***** to open a days of the week sub menu. Scroll the days of the week and press ***** to set the time for that day.
3. Using a 24 hour format, set the desired time. After you enter the fourth digit the screen will revert back to the previous day of the week menu. Entering the time 9999 disables the late to open feature for that day.
4. Continue setting the time for the desired days of the week. When finished press **#** to return to the Ready state.

What you see

```
Press (*) for <>  
Late to Opn Time
```

```
Press (*) for <>  
Sunday
```

```
Set 24Hr Time  
Enter HH:MM 9999
```

NOTE: If you enter an invalid time the error tone will sound.

8.3.8 Changing the Brightness of the LCD keypad

To change the LCD brightness

1. From the User Function menu use the shortcut key **1** **2** or press **<** **>** to scroll to Bright Control.
2. Scroll to the desired brightness level and press **#** to return to the previous menu.
3. Press **#** to return to the Ready state.

What you see

```
Press (*) for <>  
Bright Control
```

```
Brightness <>  
Level... XX
```

8.3.9 Changing the Contrast of the LCD keypad

To change the LCD contrast

1. From the User Function menu use the shortcut key **1** **3** or press **<** **>** to scroll to Contrast Control.
2. Scroll to the desired contrast level and press **#** to return to the previous menu.
3. Press **#** to return to the Ready state.

What you see

```
Press (*) for <>  
Contrast Control
```

```
Contrast <>  
Level... XX
```

8.3.10 Setting the Buzzer volume

To change Buzzer volume

1. From the User Function menu use the shortcut key **1** **4** or press **<** **>** to scroll to Contrast Control.
2. Scroll to the desired volume level and press **#** to return to the previous menu.
3. Press **#** to return to the Ready state.

What you see

```
Press (*) for <>  
Buzzer Control
```

```
Buzzer <>  
Level... XX
```


9 Managing Troubles

Table 9-1 Trouble Conditions (Continued)

Trouble Condition	Description	Trouble Types
Device Tamperers	The system has detected a tamper condition with one or more devices on the system. Call for service.	<ul style="list-style-type: none"> • Zones • Keypad • Siren • Repeater
RF Delinquency	The system has detected wireless signal interference that is causing improper system operation. Call for service.	<ul style="list-style-type: none"> • Zones
Module Supervision	The system has detected a supervisory trouble condition with one or more modules on the system. Call for service.	<ul style="list-style-type: none"> • Audio Exp • Output Exp • Alt Comm • Printer • Zone • Power Supply • AML Exp • Keypad
Module Tamperers	The system has detected a tamper condition with one or more modules on the system. Call for service.	<ul style="list-style-type: none"> • Audio Exp • Output Exp • Alt Comm • Printer • Zone • Power Supply • AML Exp • Keypad
Communications	The system has detected a communication trouble. Call for service.	<ul style="list-style-type: none"> • TLM Trouble • FTC Trouble • SIM Lock • Cellular • Ethernet • Receiver • Supervision • Configuration • Fault

10 Managing Partitions

A partition is a limited area of the premises which operates independently from the other areas.

Partitioning a system can be beneficial if the property has outbuildings that need to be secured independently of a main area or if the home has a separate apartment.

Each partition can have its own keypad, or a keypad can have access to all partitions. User access to partitions is controlled via access code. A master code can access the entire system and partitions, while a user code is limited to assigned partitions.

10.1 Partition vs. Global Keypad

Keypads can be configured to control an individual partition or all partitions. Commands input at this type of keypad apply only to the assigned partition.

Global keypads control all partitions. Commands given at a global keypad apply to all partitions on the alarm system. Partition keypads can also be temporarily loaned to other partitions if the user's access code permits.

NOTE: Access to this feature must be configured by installer.

10.1.1 Single Partition Operation

Single partition keypads provide access to alarm functionality for an assigned partition.

Single partition keypads behave as follows:

- Displays the armed state of the partition.
- Displays open zones, if assigned to the partition the keypad is on.
- Displays bypassed zones and allows zone bypassing or creating bypass groups of zones assigned to the keypad partition.
- Displays system troubles (system low battery, system component faults/tampers).
- Displays alarms in memory that occurred on the partition.
- Allows the door chime to be Enabled/disabled.
- System test (sounds bells/PGMs assigned to the partition).
- Label programming (zone, partition and user labels for the partition).
- Command output controls (outputs assigned to the partition, or global outputs such as smoke detector reset).
- Thermostat settings and temperature.

10.2 Global/Multiple Partition Operation

Global keypads display a list of all the active partitions, or assigned partitions, along with their current state. For example, partition 1 is armed, partition 2 is disarmed and ready, partition 3 is disarmed and not ready.

Global keypads behave as follows:

- If a partition is armed and entry delay is active, the global keypad sounds the entry delay and indicates which partition the entry delay is on. The same is true of exit delay, pre-alerts and alarms.
- Access codes may be entered to silence entry delays that the current access code is assigned to without loaning the keypad to the partition that the entry delay is active on.
- Similarly, pre-alerts and alarms can also be silenced without loaning the keypad to a specific partition.
- Troubles are displayed and sounded on the global keypad, and the trouble LED illuminates.
- System troubles can be viewed via the Trouble menu. For partition-specific troubles, the keypad must be loaned to the appropriate partition to view the Trouble menu.

10 Managing Partitions


- Keypad function keys can be programmed for Global Stay Arm, Global Away Arm and Global Disarm.
- Multiple partition arming may be done from a global keypad assigned to the same partitions as the user.
- System tests can be performed from the global keypad if all partitions are disarmed.

10.2.1 Loaning a Keypad to Another Partition

When a keypad is loaned from either the global state or from another partition, it may be configured to behave on the loaned partition just as it would if it was originally assigned there.

Loaning a keypad to another partition does not require an access code; However, no function that requires an access code can be performed on that partition unless the user's code has sufficient permissions. The status of each partition will be identified by a partition flag. For an explanation on partition flags see Table 10-1.

To Loan a Keypad to Another Partition

1. Press and hold  for 2 seconds.
2. Select a partition by pressing digits 1 to 8. The keypad is temporarily loaned to another partition. If the keypad is inactive for more than 30 seconds, it reverts to its original mode.

What you see

1	2	3	4	5	6	7	8
R	R	-	-	-	-	-	N

Table 10-1 Partition Flags

LCD Display	Flag	Description
1 2 3 4 5 6 7 8 R R R ! - - - N	1-8	Partition number.
	R	Partition is ready to be armed.
	N	Partition is not ready to be armed.
	!	Partition is in alarm.
	-	Partition is not configured
	A	Partition is armed.

10.3 Global Zones

If a zone is added to more than one partition, it becomes a global zone. A global zone is only armed when all assigned partitions are armed and disarmed when any assigned partition is disarmed.

Global zones behave as follows:

- A global Stay/Away type zone is not activated until all partitions the zone is assigned to are armed in the Away mode, or the interior has been activated by pressing [*][1].
- A shared zone bypassed on one partition is bypassed on all partitions the zone is assigned to.
- An entry delay started on a global zone sounds an entry delay on all keypads assigned to partitions the global zone is assigned to.
- A Global Delay type zone follows the longest programmed delay time of the partitions it is assigned to.

10.3.1 Fire and CO Zone Types

- Fire zones only place the partition they are assigned to into alarm. Other partitions retain their current state.

10 Managing Partitions

- A fire reset only resets partitions they are assigned to.
- One or more fire keypads may be located on any partition.
- On alarm, the fire auto-scroll display appears on all partition keypads and on all global keypads. Fire alarm silence and fire system reset may be done directly on any partition keypad. To silence a fire or CO alarm from a global keypad requires that the global keypad be loaned to one of the partitions.

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11 Testing your System

IMPORTANT • Test your system weekly.

- Should your system fail to function properly contact your installation company immediately.
 - All smoke detectors must be tested by your smoke detector installer once a year to ensure proper operation.
-

11.1 System Test

Tests all system keypad LED's, keypad sounders, bells and/or sirens.

To perform a Keypad and Siren Test

1. From the ready state press **(*)** **(B)** and enter the [Master code] to access User Functions.
2. Press **(4)** or use the scroll keys **(<)** **(>)** to navigate to System Test and press **(*)**. The system activates all keypad sounders and bells/sirens for two seconds.
3. To go back to the Ready state press **(#)**.

What you see

Press (*) for <> User Functions

Press (*) for <> System Test

12 Additional Features

12.1 Audio Verification

Allows the monitoring station to initiate a 2-way audio (talk/listen) or 1-way audio (listen-in only) session when an alarm has been received. This feature is used to verify the nature of the alarm or determine the type of assistance required by the occupant.

NOTE: Must be configured by installer.

12.2 Video Verification

Allows the monitoring station to use video clips captured from system motion cameras for verification of any alarms.

NOTE: Must be configured by installer.

12.2.1 System Lockout due to Invalid Attempts

If too many invalid access codes are entered, your system can be configured to automatically lock out inputs from all keypads, wireless and proximity keys, and SMS commands for a specified duration. When any keys are pressed, an error tone will sound. FAP keys are still active during Keypad Lockout.

NOTE: Feature and lockout duration must be configured by installer.

12.3 Command Outputs

While being useful for many applications, Command outputs are typically configured to operate items such as garage doors or electric gates.

NOTE: Must be configured by installer.

To Activate a Command Output

1. Press ***** **7** and if required enter your [access code].

OR

press ***** and use the scroll keys **<** **>** to navigate to Output Control.

2. Press the number configured to or use the scroll keys **<** **>** to navigate to the desired command.

What you see

Output Control <> Scroll to View

Output Activated

13 Regulatory Agency Statements

INDUSTRY CANADA STATEMENT

NOTICE: This Equipment meets the applicable Industry Canada Terminal Equipment Technical Specifications. This is confirmed by the registration number. The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada technical specifications were met. It does not imply that that Industry Canada approved the equipment

NOTICE: The Ringer Equivalence Number (REN) for this terminal equipment is 0.1. The REN assigned to each terminal equipment provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all devices does not exceed 5.

HS2016 Registration numberIC:
HS2016-4 Registration numberIC:
HS2032 Registration numberIC:
HS2064 Registration numberIC:
HS2128 Registration numberIC:

This product is in conformity with EMC Directive 2004/108/EC based on results using harmonized standards in accordance with article 10(5), R&TTE Directive 1999/5/EC based on following Annex III of the directive and LVD Directive 2006/95/EC based on results using harmonized standards.

This product meets the requirements of Class II, Grade 2 equipment as per EN 50131-1:2006 + A1:2009 Standard. This product is suitable for use in systems with the following notification options:

- A (use of two warning devices and internal dialer required),
- B (self powered warning device and internal dialer required),
- D (use of alternate IP/GSM communicator with encryption enabled required).

EN50131-1 Grade 2 Class II

The Model HS2016, HS2016-4, HS2032, HS2064, HS2128

Control Panel has been certified by Telefication according to EN50131-1:2006 + A1:2009, EN50131-3:2009, EN50131-6:2008 and EN50136-1:1997 for Grade 2, Class II, ATS2.

DRAFT 3

14 Installer Warning

WARNING Please Read Carefully

Note to Installers

This warning contains vital information. As the only individual in contact with system users, it is your responsibility to bring each item in this warning to the attention of the users of this system.

System Failures

This system has been carefully designed to be as effective as possible. There are circumstances, however, involving fire, burglary, or other types of emergencies where it may not provide protection. Any alarm system of any type may be compromised deliberately or may fail to operate as expected for a variety of reasons. Some but not all of these reasons may be:

Inadequate Installation

A security system must be installed properly in order to provide adequate protection. Every installation should be evaluated by a security professional to ensure that all access points and areas are covered. Locks and latches on windows and doors must be secure and operate as intended. Windows, doors, walls, ceilings and other building materials must be of sufficient strength and construction to provide the level of protection expected. A reevaluation must be done during and after any construction activity. An evaluation by the fire and/or police department is highly recommended if this service is available.

Criminal Knowledge

This system contains security features which were known to be effective at the time of manufacture. It is possible for persons with criminal intent to develop techniques which reduce the effectiveness of these features. It is important that a security system be reviewed periodically to ensure that its features remain effective and that it be updated or replaced if it is found that it does not provide the protection expected.

Access by Intruders

Intruders may enter through an unprotected access point, circumvent a sensing device, evade detection by moving through an area of insufficient coverage, disconnect a warning device, or interfere with or prevent the proper operation of the system.

Power Failure

Control units, intrusion detectors, smoke detectors and many other security devices require an adequate power supply for proper operation. If a device operates from batteries, it is possible for the batteries to fail. Even if the batteries have not failed, they must be charged, in good condition and installed correctly. If a device operates only by AC power, any interruption, however brief, will render that device inoperative while it does not have power. Power interruptions of any length are often accompanied by voltage fluctuations which may damage electronic equipment such as a security system. After a power interruption has occurred, immediately conduct a complete system test to ensure that the system operates as intended.

Failure of Replaceable Batteries

This system's wireless transmitters have been designed to provide several years of battery life under normal conditions. The expected battery life is a function of the device environment, usage and type. Ambient conditions such as high humidity, high or low temperatures, or large temperature fluctuations may reduce the expected battery life. While each transmitting device has a low battery monitor which identifies when the batteries need to be replaced, this monitor may fail to operate as expected. Regular testing and maintenance will keep the system in good operating condition.

Compromise of Radio Frequency (Wireless) Devices

Signals may not reach the receiver under all circumstances which could include metal objects placed on or near the radio path or deliberate jamming or other inadvertent radio signal interference.

System Users

A user may not be able to operate a panic or emergency switch possibly due to permanent or temporary physical disability, inability to reach the device in time, or unfamiliarity with the correct operation. It is important that all system users be trained in the correct operation of the alarm system and that they know how to respond when the system indicates an alarm.

Smoke Detectors

Smoke detectors that are a part of this system may not properly alert occupants of a fire for a number of reasons, some of which follow. The smoke detectors may have been improperly installed or

positioned. Smoke may not be able to reach the smoke detectors, such as when the fire is in a chimney, walls or roofs, or on the other side of closed doors. Smoke detectors may not detect smoke from fires on another level of the residence or building.

Every fire is different in the amount of smoke produced and the rate of burning. Smoke detectors cannot sense all types of fires equally well. Smoke detectors may not provide timely warning of fires caused by carelessness or safety hazards such as smoking in bed, violent explosions, escaping gas, improper storage of flammable materials, overloaded electrical circuits, children playing with matches or arson.

Even if the smoke detector operates as intended, there may be circumstances when there is insufficient warning to allow all occupants to escape in time to avoid injury or death.

Motion Detectors

Motion detectors can only detect motion within the designated areas as shown in their respective installation instructions. They cannot discriminate between intruders and intended occupants. Motion detectors do not provide volumetric area protection. They have multiple beams of detection and motion can only be detected in unobstructed areas covered by these beams. They cannot detect motion which occurs behind walls, ceilings, floor, closed doors, glass partitions, glass doors or windows. Any type of tampering whether intentional or unintentional such as masking, painting, or spraying of any material on the lenses, mirrors, windows or any other part of the detection system will impair its proper operation.

Passive infrared motion detectors operate by sensing changes in temperature. However their effectiveness can be reduced when the ambient temperature rises near or above body temperature or if there are intentional or unintentional sources of heat in or near the detection area. Some of these heat sources could be heaters, radiators, stoves, barbecues, fireplaces, sunlight, steam vents, lighting and so on.

Warning Devices

Warning devices such as sirens, bells, horns, or strobes may not warn people or waken someone sleeping if there is an intervening wall or door. If warning devices are located on a different level of the residence or premise, then it is less likely that the occupants will be alerted or awakened. Audible warning devices may be interfered with by other noise sources such as stereos, radios, televisions, air conditioners or other appliances, or passing traffic. Audible warning devices, however loud, may not be heard by a hearing-impaired person.

Telephone Lines

If telephone lines are used to transmit alarms, they may be out of service or busy for certain periods of time. Also an intruder may cut the telephone line or defeat its operation by more sophisticated means which may be difficult to detect.

Insufficient Time

There may be circumstances when the system will operate as intended, yet the occupants will not be protected from the emergency due to their inability to respond to the warnings in a timely manner. If the system is monitored, the response may not occur in time to protect the occupants or their belongings.

Component Failure

Although every effort has been made to make this system as reliable as possible, the system may fail to function as intended due to the failure of a component.

Inadequate Testing

Most problems that would prevent an alarm system from operating as intended can be found by regular testing and maintenance. The complete system should be tested weekly and immediately after a break-in, an attempted break-in, a fire, a storm, an earthquake, an accident, or any kind of construction activity inside or outside the premises. The testing should include all sensing devices, keypads, consoles, alarm indicating devices and any other operational devices that are part of the system.

Security and Insurance

Regardless of its capabilities, an alarm system is not a substitute for property or life insurance. An alarm system also is not a substitute for property owners, renters, or other occupants to act prudently to prevent or minimize the harmful effects of an emergency situation.

15 Safety Instructions

To reduce the risk of fire, electric shock and/or injury, observe the following:

- Do not spill any type of liquid on the equipment.
- Do not attempt to service this product yourself. Opening or removing the cover may expose you to dangerous voltage or other risk. Refer servicing to qualified service personnel. Never open the device yourself.
- Do not touch the equipment and its connected cables during an electrical storm; there may be a risk of electric shock.
- Do not use the Alarm system to report a gas leak if the system is near a leak.

15.1 Regular Maintenance and Troubleshooting

Keep your Alarm Controller in optimal condition by following all the instructions that are included within this manual and/or marked on the product.

15.1.1 Cleaning

- Clean the units by wiping with a damp cloth only.
- Do not use abrasives, thinners, solvents or aerosol cleaners (spray polish) that may enter through holes in the Alarm Controller and cause damage.
- Do not use any water or any other liquid.
- Do not wipe the front cover with alcohol.

15.1.2 Troubleshooting

Occasionally, you may have a problem with your Alarm Controller or telephone line. If this happens, your Alarm Controller will identify the problem and displays an error message. Refer to the provided list when you see an error message on the display. If additional help is required, contact your distributor for service.

WARNING: This equipment, HS Series Alarm system shall be installed and used within an environment that provides the pollution degree max 2 and over-voltages category II non-hazardous locations, indoor only. It is designed to be installed, serviced and/or repaired by service persons only [service person is defined as a person having the appropriate technical training and experience necessary to be aware of hazards to which that person may be exposed in performing a task and of measures to minimize the risks to that person or other persons]. For EU and Australian markets, the equipment is permanently connected; an accessible disconnect device shall be incorporated into the building installation wiring. For North America the equipment is a direct plug-in connection; the socket outlet shall be installed near the HS Series and shall be easily accessible. The plug of the direct plug-in transformer serves as the disconnect device.

NOTE: There are no parts replaceable by the end-user within this equipment, except for the keypad batteries. Dispose of used batteries as per local rules and regulations.

This publication covers the following models:

- | | | | | |
|------------|-------------|---------------|-------------|--------------|
| • HS2016 | • HS2064 | • HS2LCDRFPx | • HS2ICN | • HS2LED |
| • HS2016-4 | • HS2LCD | • HS2LCDWFPx | • HS2ICNP | • HS2LEDP |
| • HS2128 | • HS2LCDP | • HS2LCDWFPx | • HS2ICNRFx | • HS2TCH |
| • HS2032 | • HS2LCDRFx | • HS2LCDWFPVx | • HS2ICNRFx | • HS2TCHWFPx |

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WARNING: DSC recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this SOFTWARE PRODUCT to fail to perform as expected.

Always ensure you obtain the latest version of the User Guide. Updated versions of this User Guide are available by contacting your distributor.

New Zealand Telecom Network

The following is a list of warnings applicable when this equipment is connected to the New Zealand Telecom Network:

General Warning

The grant of a Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.

Reverse Numbering (decadic signalling)

Decadic signalling should not be used as it is being progressively phased out of the network. DTMF dialling is 100% available and it should always be used.

Line Grabbing Equipment

This equipment is set up to carry out test calls at pre-determined times. Such test calls will interrupt any other calls that may be set up on the line at the same time. The timing set for such test calls should be discussed with the installer. The timing set for test calls from this equipment may be subject to 'drift'. If this proves to be inconvenient and your calls are interrupted, then the problem of timing should be discussed with the equipment installer. The matter should NOT be reported as a fault to Telecom Faults Service.

D.C. Line Feed to Other Devices

During dialling, this device unit does not provide DC voltage to the series port connection and this may cause loss of memory functions for the terminal devices (local telephone) connected to T-1, R-1.

General Operation (Ringer Sensitivity and Loading).

This device only responds to Distinctive Alert cadences DA1 and DA2

17 Locating Smoke and CO Detectors

The following information is for general guidance only and it is recommended that local fire codes and regulations be consulted when locating and installing smoke and CO alarms.

17.1 Smoke Detectors

Research has shown that all hostile fires in homes generate smoke to a greater or lesser extent. Experiments with typical fires in homes indicate that detectable quantities of smoke precede detectable levels of heat in most cases. For these reasons, smoke alarms should be installed outside of each sleeping area and on each storey of the home.

The following information is for general guidance only and it is recommended that local fire codes and regulations be consulted when locating and installing smoke alarms.

It is recommended that additional smoke alarms beyond those required for minimum protection be installed. Additional areas that should be protected include: the basement; bedrooms, especially where smokers sleep; dining rooms; furnace and utility rooms; and any hallways not protected by the required units. On smooth ceilings, detectors may be spaced 9.1m (30 feet) apart as a guide. Other spacing may be required depending on ceiling height, air movement, the presence of joists, uninsulated ceilings, etc. Consult National Fire Alarm Code NFPA 72, CAN/ULC-S553-02 or other appropriate national standards for installation recommendations.

- Do not locate smoke detectors at the top of peaked or gabled ceilings; the dead air space in these locations may prevent the unit from detecting smoke.
- Avoid areas with turbulent air flow, such as near doors, fans or windows. Rapid air movement around the detector may prevent smoke from entering the unit.
- Do not locate detectors in areas of high humidity.
- Do not locate detectors in areas where the temperature rises above 38oC (100oF) or falls below 5oC (41oF).
- Smoke detectors should always be installed in USA in accordance with Chapter 11 of NFPA 72, the National Fire Alarm Code: 11.5.1.1.

Where required by applicable laws, codes, or standards for a specific type of occupancy, approved single- and multiple-station smoke alarms shall be installed as follows:

1. In all sleeping rooms and guest rooms.
2. Outside of each separate dwelling unit sleeping area, within 6.4 m (21 ft) of any door to a sleeping room, the distance measured along a path of travel.
3. On every level of a dwelling unit, including basements.
4. On every level of a residential board and care occupancy (small facility), including basements and excluding crawl spaces and unfinished attics.
5. In the living area(s) of a guest suite.
6. In the living area(s) of a residential board and care occupancy (small facility).

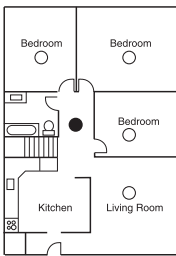


Figure 1

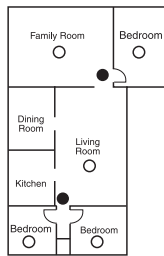


Figure 2

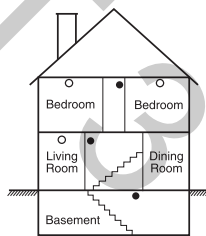


Figure 3

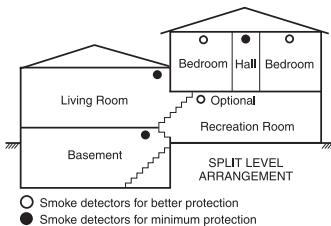


Figure 3a

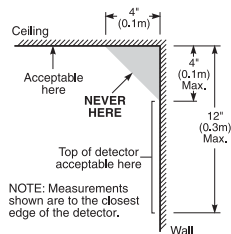


Figure 4

17 Locating Smoke and CO Detectors

17.2 Fire Escape Planning

There is often very little time between the detection of a fire and the time it becomes deadly. It is thus very important that a family escape plan be developed and rehearsed.

1. Every family member should participate in developing the escape plan.
2. Study the possible escape routes from each location within the house. Since many fires occur at night, special attention should be given to the escape routes from sleeping quarters.
3. Escape from a bedroom must be possible without opening the interior door.

Consider the following when making your escape plans:

- Make sure that all border doors and windows are easily opened. Ensure that they are not painted shut, and that their locking mechanisms operate smoothly.
- If opening or using the exit is too difficult for children, the elderly or handicapped, plans for rescue should be developed. This includes making sure that those who are to perform the rescue can promptly hear the fire warning signal.
- If the exit is above the ground level, an approved fire ladder or rope should be provided as well as training in its use.
- Exits on the ground level should be kept clear. Be sure to remove snow from exterior patio doors in winter; outdoor furniture or equipment should not block exits.
- Each person should know the predetermined assembly point where everyone can be accounted for (e.g., across the street or at a neighbor's house). Once everyone is out of the building, call the fire department.
- A good plan emphasizes quick escape. Do not investigate or attempt to fight the fire, and do not gather belongings as this can waste valuable time. Once outside, do not re-enter the house. Wait for the fire department.
- Write the fire escape plan down and rehearse it frequently so that should an emergency arise, everyone will know what to do. Revise the plan as conditions change, such as the number of people in the home, or if there are changes to the building's construction.
- Make sure your fire warning system is operational by conducting weekly tests. If you are unsure about system operation, contact your installer.

We recommend that you contact your local fire department and request further information on fire safety and escape planning. If available, have your local fire prevention officer conduct an in-house fire safety inspection.

17.3 Carbon Monoxide Detectors

Carbon monoxide is colorless, odorless, tasteless, and very toxic, it also moves freely in the air. CO detectors can measure the concentration and sound a loud alarm before a potentially harmful level is reached. The human body is most vulnerable to the effects of CO gas during sleeping hours; therefore, CO detectors should be located in or as near as possible to sleeping areas of the home. For maximum protection, a CO alarm should be located outside primary sleeping areas or on each level of your home. Figure 5 indicates the suggested locations in the home.

Do NOT place the CO alarm in the following areas:

- Where the temperature may drop below -10°C or exceed 40°C
- Near paint thinner fumes
- Within 5 feet (1.5m) of open flame appliances such as furnaces, stoves and fireplaces
- In exhaust streams from gas engines, vents, flues or chimneys
- Do not place in close proximity to an automobile exhaust pipe; this will damage the detector

PLEASE REFER TO THE CO DETECTOR INSTALLATION AND OPERATING INSTRUCTION SHEET FOR SAFETY INSTRUCTIONS AND EMERGENCY INFORMATION.

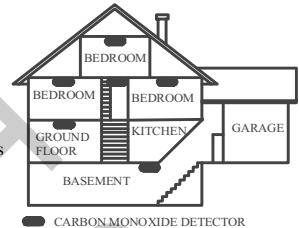


Figure 5

18 Reference

Fill out the following information for future reference and store this guide in a safe place.

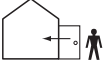
18.1 System Information

Mark if Buttons are Enabled

[F] FIRE [M] Medical [P] PANIC



The Exit Delay Time is _____ seconds.



The Entry Delay Time is _____ seconds.

18.2 Service Contact Information

Central Station Information

Account#: _____ Telephone#: _____

Installer Information:

Company: _____ Telephone#: _____

Battery Installation / Service Date:

IMPORTANT: If you suspect a false alarm signal has been sent to the central monitoring station, call the station to avoid an unnecessary response.

18 Reference

18.3 Access Code and Sensor / Zone information

Master Code [40] : _____

Table 18-1 Access Code Reference sheet

Code	Access Code	Code	Access Code	Code	Access Code	Code	Access Code
01		13		25		37	
02		14		26		38	
03		15		27		39	
04		16		28		40	
05		17		29		41	
06		18		30		42	
07		19		31		43	
08		20		32		44	
09		21		33		45	
10		22		34		46	
11		23		35		47	
12		24		36		48	
49		55		61		67	
50		56		62		68	
51		57		63		69	
52		58		64		70	
53		59		65		71	
54		60		66		72	
73		79		85		91	
74		80		86		92	
75		81		87		93	
76		82		88		94	
77		83		89		95	
78		84		90			

18 Reference

Table 18-2 Sensor / Zone Information

Sensor	Protected Area	Sensor Type	Sensor	Protected Area	Sensor Type
01			65		
02			66		
03			67		
04			68		
05			69		
06			70		
07			71		
08			72		
09			73		
10			74		
11			75		
12			76		
13			77		
14			78		
15			79		
16			80		
17			81		
18			82		
19			83		
20			84		
21			85		
22			86		
23			87		
24			88		
25			89		
26			90		
27			91		
28			92		
29			93		
30			94		
31			95		
32			96		
33			97		

18 Reference

Table 18-2 Sensor / Zone Information

Sensor	Protected Area	Sensor Type	Sensor	Protected Area	Sensor Type
34			98		
35			99		
36			100		
37			101		
38			102		
39			103		
40			104		
41			105		
42			106		
43			107		
44			108		
45			109		
46			110		
47			111		
48			112		
49			113		
50			114		
51			115		
52			116		
53			117		
54			118		
55			119		
56			120		
57			121		
58			122		
59			123		
60			124		
61			125		
62			126		
63			127		
64			128		

DRAFT 3

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