

# HS2016/2032/2064/2128 Alarm Panel

## V1.0 User Manual



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**WARNING:** This manual contains information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer. The entire manual should be carefully read.

# Table of Contents

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<b>1 Quick Reference</b>	<b>5</b>
<b>2 About your Security System</b>	<b>6</b>
2.1 The HS Series Security System .....	6
2.1.1 Carbon Monoxide Detection (must be enabled by your Installer) .....	6
2.1.2 Fire Detection (must be enabled by your Installer) .....	6
2.1.3 Testing .....	6
2.1.4 Monitoring .....	6
2.1.5 Maintenance .....	6
2.1.6 General System Operation .....	7
<b>3 System Types</b>	<b>8</b>
3.1 System Models .....	8
3.2 Keypads .....	8
3.2.1 LCD Icon and LED Keypad Symbols .....	8
<b>4 Securing the Premises</b>	<b>9</b>
4.1 Arming the System with the Keypad .....	9
4.1.1 Away Arming the System with the Keypad .....	9
4.1.2 Stay Arming the System with the Keypad .....	10
4.1.2.1 Silent Exit Delay .....	10
4.1.3 Night Arming the System with the Keypad .....	10
4.1.4 No-Entry Arming .....	11
4.2 Leaving when the System is Already Armed - Quick Exit .....	12
4.3 Arming Errors and Exit Faults .....	12
4.3.1 Arming Errors .....	12
4.3.2 Audible Exit Faults .....	12
4.4 Disarming the system .....	13
4.4.1 Disarming Error .....	13
4.5 Bypassing Zones .....	13
4.5.1 Bypass Groups .....	15
<b>5 Emergency Keys and Alarms</b>	<b>17</b>
5.1 Emergency Keys .....	17
5.2 Alarms .....	17
5.2.1 Intrusion (Burglary) Alarm - Continuous Siren .....	17
5.2.2 Fire Alarm - Pulsed Siren .....	17
5.3 Carbon Monoxide Alarm - 4 beeps, long pause, 4 beeps .....	18
5.4 Resetting Sensors .....	18
5.5 Viewing Alarms in memory .....	18
5.5.1 Alarm Messages .....	18
<b>6 Wireless Keys and other Devices</b>	<b>19</b>
6.1 Using the 2-way Wireless Key .....	19
6.2 Using Proximity Tags .....	19
6.3 SMS Command and Control .....	19

# Table of Contents

---

6.3.1	Using the Keypad to Lookup the Number to Call for SMS Commands .....	20
6.3.2	Sending SMS Commands to your System .....	20
6.3.3	SMS Responses from your System.....	21
<b>7</b>	<b>Managing Users</b>	<b>22</b>
7.1	User Codes.....	22
7.1.1	Access Codes.....	23
7.1.2	Enrolling and Deleting Proximity Tags .....	23
7.1.3	Enrolling Wireless Keys .....	24
7.1.4	Naming a User.....	24
7.1.5	Assigning a Partition to a User code.....	25
7.2	Configuring additional User Options .....	25
7.3	Maintenance Code.....	26
<b>8</b>	<b>Configuring User Functions</b>	<b>27</b>
8.1	Selecting your language .....	27
8.2	Turning the Chime ON/OFF.....	27
8.3	User Functions.....	27
8.3.1	Event Buffer .....	28
8.3.2	Setting the Time and Date .....	28
8.3.3	Enabling/Disabling the Auto Arm/Disarm Feature .....	28
8.3.4	Setting the Auto Arm Time.....	28
8.3.5	Allowing the installer to service your system remotely - DLS .....	29
8.3.6	User Callup .....	29
8.3.7	Late to Open .....	29
8.3.8	Changing the Brightness of the LCD keypad.....	30
8.3.9	Changing the Contrast of the LCD keypad .....	30
8.3.10	Setting the Buzzer volume.....	30
<b>9</b>	<b>Managing Troubles</b>	<b>31</b>
9.1	Trouble Conditions.....	31
<b>10</b>	<b>Managing Partitions</b>	<b>33</b>
10.1	Partition vs. Global Keypad .....	33
10.1.1	Single Partition Operation.....	33
10.2	Global/Multiple Partition Operation .....	33
10.2.1	Loaning a Keypad to Another Partition .....	34
10.3	Global Zones .....	34
10.3.1	Fire and CO Zone Types .....	34
<b>11</b>	<b>Testing your System</b>	<b>36</b>
11.1	System Test.....	36
<b>12</b>	<b>Additional Features</b>	<b>37</b>
12.1	Audio Verification.....	37
12.2	Video Verification.....	37

# Table of Contents

---

12.2.1	System Lockout due to Invalid Attempts.....	37
12.3	Command Outputs.....	37
<b>13</b>	<b>Regulatory Agency Statements</b>	<b>38</b>
<b>14</b>	<b>Installer Warning</b>	<b>40</b>
<b>15</b>	<b>Safety Instructions</b>	<b>41</b>
15.1	Regular Maintenance and Troubleshooting.....	41
15.1.1	Cleaning.....	41
15.1.2	Troubleshooting .....	41
<b>16</b>	<b>EULA</b>	<b>42</b>
<b>17</b>	<b>Locating Smoke and CO Detectors</b>	<b>43</b>
17.1	Smoke Detectors .....	43
17.2	Fire Escape Planning.....	44
17.3	Carbon Monoxide Detectors .....	44
<b>18</b>	<b>Reference</b>	<b>45</b>
18.1	System Information.....	45
18.2	Service Contact Information .....	45
18.3	Access Code and Sensor / Zone information .....	46

# 1 Quick Reference

The HS Series Alarm System uses a menu based navigation system. The scroll (◀ ▶) keys are used to cycle through the list of actions contained within the current menu. However, many actions can also be accessed using a shortcut key. If an action can be accessed using a shortcut key, the key will be listed in the instructions below. If you see [Scroll] use the (◀ ▶) keys to cycle to the listed menu item. Look up detailed information on any of the listed actions using the accompanying Section number.

**NOTE:** Some features must be enabled by installer.

Status Lights	
✓	<b>Ready</b> - Indicates system normal. Must be on to arm system. All zones must be secured or bypassed and the system disarmed for this light to activate.
🔒	<b>Armed</b> - Indicates system is armed. If the Ready light and the Armed light are both on it indicates an Exit Delay is in progress.
⚠️	<b>Trouble</b> - On indicates a system malfunction or tamper. Flashing indicates that the keypad has a low battery condition. Follow the instructions displayed or enter [*][2] to view trouble. Correcting the trouble turns of the indicator.
🔄	<b>AC Power</b> - Indicates AC Power is present. The AC Power light will turn off when AC is absent.

Action	Press	Section
<b>Arming and Disarming</b>		
Away Arm	(🏠) for 2 seconds	4.1.1
Stay Arm	(🏠) for 2 seconds	4.1.2
Night Arm	(★) (★) + [Access Code]	4.1.3
Disarm	[Access Code]	4.4
No-Entry Arming	(★) (☹) + [Access Code]	4.1.4
Quick Arm/Quick Exit	(★) (□)	4.1.1
Bypass Zone	(★) (★) + [Access Code] + [3 Digit Zone #] + (★)	4.5
<b>Bypassing</b>		
Recall Last Bypass	(★) (★) + [Access Code] + [Scroll] Bypass Options + (★) (★)	4.5
Clear Bypass	(★) (★) + [Access Code] + [Scroll] Bypass Options + (★) + [Scroll] Clear Bypasses + (★)	4.5
Load Bypass Group	(★) (★) + [Access Code] + [Scroll] Bypass Options + (★) + [Scroll] Bypass Group + (★)	4.5.1
<b>Common Functions</b>		
Select Language	(◀ ▶) for 2 seconds	8.1
Set Time and Date	(★) (⌚) [Master Code] + (□) (1)	8.3.2
Turn Chime ON/OFF	(★) (🔔)	8.2
Change Brightness	(★) (☹) [Master Code] + (1) (2)	8.3.8
Change Contrast	(★) (☹) [Master Code] + (1) (3)	8.3.9
Add/delete user	(★) (5) + [Access Code] + [Scroll] Access Code + (★)	7.1.1
Reset Sensors	(↺)	5.4
View Troubles	(★) (2)	9.1
View Alarms	(★) (3)	5.5
Perform System Test	(★) (⌚) [Master Code] + (□) (4)	11.1
Buzzer Volume	(★) (☹) [Master Code] + (1) (5)	8.3.10

# 2 About your Security System

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## 2.1 The HS Series Security System

Your DSC Security System has been designed to provide you with the greatest possible flexibility and convenience. Read this manual carefully and have your installer instruct you on your system's operation and on which features have been implemented in your system. All users of this system should be equally instructed in its use. Fill out 18.1 "System Information" page with all of your zone information and access codes and store this manual in a safe place for future reference.

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**NOTE:** The HS Series security system includes specific false alarm reduction features and is classified in accordance with ANSI/ SIA CP-01-2000 Control Panel Standard - Features for False Alarm Reduction. Please consult your installer for further information regarding the false alarm reduction features built into your system as all are not covered in this manual.

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### 2.1.1 Carbon Monoxide Detection (must be enabled by your Installer)

This equipment is capable of monitoring carbon monoxide detectors and providing a warning if carbon monoxide is detected. Please read the Family Escape Planning guidelines in this manual and instructions that are available with the carbon monoxide detector.

### 2.1.2 Fire Detection (must be enabled by your Installer)

This equipment is capable of monitoring fire detection devices such as smoke detectors and providing a warning if a fire condition is detected. Good fire detection depends on having adequate number of detectors placed in appropriate locations. This equipment should be installed in accordance with NFPA 72 (N.F.P.A., Batterymarch Park, Quincy MA 02269). Carefully review the Family Escape Planning guidelines in this manual.

### 2.1.3 Testing

To insure that your system continues to function as intended, you must test your system weekly. Please refer to section 11 "Testing your System" in this manual. If your system does not function properly, call your installer for service.

### 2.1.4 Monitoring

This system is capable of transmitting alarms, troubles & emergency information to a central station. If you initiate an alarm by mistake, immediately call the central station to prevent an unnecessary response.

---

**NOTES:** The monitoring function must be enabled by the installer before it becomes functional.

There is a communicator delay of 30 seconds in this control panel. It can be removed, or it can be increased up to 45 seconds, at the option of the end-user by consulting with the installer.

---

### 2.1.5 Maintenance

With normal use, the system requires minimum maintenance. Note the following points:

- Do not wash the security equipment with a wet cloth. Light dusting with a slightly moistened cloth should remove normal accumulations of dust.
- Use the system test described in "Testing Your System" to check the battery condition. We recommend, however, that the standby batteries be replaced every 3-5 years.
- For other system devices such as smoke detectors, passive infrared, ultrasonic or microwave motion detectors or glassbreak detectors, consult the manufacturer's literature for testing and maintenance instructions.

## 2 About your Security System

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### 2.1.6 General System Operation

Your security system is made up of a DSC control panel, one or more keypads and various sensors and detectors. The control panel will be mounted out of the way in a utility closet or in a basement. The metal cabinet contains the system electronics, fuses and standby battery.

All the keypads have an audible indicator and command entry keys. LED keypads have a group of zone and system status lights. The LCD keypad has an alphanumeric liquid crystal display (LCD). The keypad is used to send commands to the system and to display the current system status. The keypad(s) will be mounted in a convenient location inside the protected premises close to the entry/exit door(s).

The security system has several zones of area protection and each of these zones will be connected to one or more sensors (motion detectors, glassbreak detectors, door contacts, etc.). A sensor in alarm will be indicated by the corresponding zone lights flashing on an LED keypad or by messages on the LCD keypad.

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**NOTE:** Only the installer or service professional shall have access to the control panel.

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DRAFT 3

# 3 System Types

## 3.1 System Models

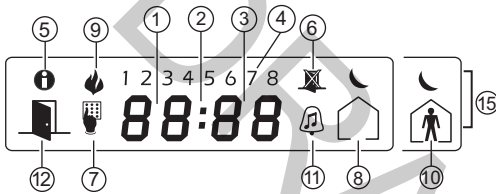
<b>HS2016</b>	16 Zone Alarm System
<b>HS2016-4</b>	16 Zone Alarm System
<b>HS2032</b>	32 Zone Alarm System
<b>HS2064</b>	64 Zone Alarm System
<b>HS2128</b>	128 Zone Alarm System

## 3.2 Keypads

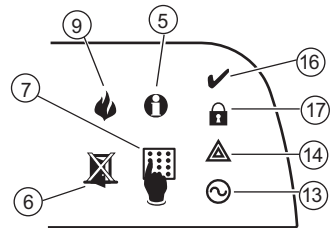
The HS Series Alarm System supports a variety wireless, hardwired and proximity sensor LCD, LED and Icon keypads.

### 3.2.1 LCD Icon and LED Keypad Symbols

**HS2ICN Series**



**HS2LED Series**



- 1 Clock Digits 1, 2** These two 7 segment clock digits indicate the hour digits when the local clock is active, and identify the zone when the OPEN or ALARM icons are active. These two digits scroll one zone per second from the lowest zone number to the highest when scrolling through zones.
- 2 : (Colon)** This icon is the hours/minutes divider and will flash once a second when the local clock is active.
- 3 Clock Digits 3, 4** These two 7 segment displays are the minute digits when the local clock is active.
- 4 1 to 8** These numbers identify troubles when [Q][2] is pressed.
- 5 Memory** Indicates that there are alarms in memory.
- 6 Bypass** Indicates that there are zones automatically or manually bypassed.
- 7 Program** Indicates that the system is in Installer's Programming, or the keypad is busy.
- 8 Away** Indicates that the panel is armed in the Away Mode.
- 9 Fire** Indicates that there are fire alarms in memory.
- 10 Stay** Indicates that the panel is armed in the Stay Mode.
- 11 Chime** This icon turns on when the Chime function key is pressed to enable Door Chime on the system. It will turn off when the chime function key is pressed again to disable Door Chime.
- 12 OPEN** This icon is used with clock digits 1 and 2 to indicate violated zones (not alarm) on the system. When zones are opened, the OPEN icon will turn on, and 7 segment displays 1 and 2 will scroll through the violated zones.
- 13 AC** Indicates that AC is present at the main panel.
- 14 System Trouble** Indicates that a system trouble is active.
- 15 Night** Indicates that the panel is armed in the Night Mode.
- 16 Ready Light (green)** If the Ready light is on, the system is ready for arming.
- 17 Armed Light (red)** If the Armed light is on, the system has been armed successfully.



# 4 Securing the Premises

## 4.1 Arming the System with the Keypad

The HS Series provides multiple arming modes as described below:

- Away mode** Use when all members of your household will not be home. Away mode activates all perimeter and interior sensors in the alarm system.
- Stay mode** Use this mode when you are staying home, but expect someone to use the entrance door later. Stay mode partially activates your alarm system by arming all perimeter sensors and bypassing all interior sensors.
- Night mode** Use when you want the perimeter and interior armed but would like to allow limited movement in your house without activating the alarm. e.g., disable motion sensors in an area containing bedrooms and a washroom. Night mode is similar to Stay mode but only bypasses internal sensors configured as Night Zones.

**NOTES:** Verify with your alarm company which modes are available on your system.

For SIA FAR listed panels, the Stay Arming Exit Delay will be twice as long as the Away Arming Exit Delay.

### 4.1.1 Away Arming the System with the Keypad

Away mode activates the complete alarm system by:

- Arming all perimeter sensors.
- Arming all interior sensors.

#### To Arm the System in Away Mode

1. Ensure all windows and doors are closed and that the Ready ✓ indicator is on.
2. To arm using the Away key press and hold the **Away key** (⏏) for 2 seconds and if required enter your [access code].  
**OR**  
To Quick Arm the system press (★) (⏏).
3. If zones have been bypassed a warning appears.
4. After successfully initiating the arming sequence the:
  - Armed 🚪 indicator turns on.
  - Ready ✓ indicator remains lit.
  - Exit Delay timer begins counting down.
  - Keypad beeps six times, continues beeping once per second until beeping rapidly in the final ten seconds.

**You now have \_\_\_\_ seconds to leave the premises.**

5. To cancel the arming sequence, enter your [access code].
6. Once the exit delay timer expires thereby arming the system the:
  - Ready ✓ indicator turns off.
  - Armed indicator remains on.
  - Keypad stops sounding.

#### What you see

Date	Time
JAN 02/13	2:06a

System is Ready to Arm

then

Enter Your Access Code

\* Warning \*  
Bypass Active

Exit Delay in Progress

System Disarmed  
No Alarm Memory

System Armed  
in Away Mode

**NOTE:** The installer configures the exit delay timer and whether or not an access code is required for arming the system.

# 4 Securing the Premises

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## 4.1.2 Stay Arming the System with the Keypad

Stay mode partially activates your alarm system by:

- Arming all perimeter sensors.
- Bypassing all interior sensors.

### To Arm the System in Stay mode

1. Ensure all windows and doors are closed and that the Ready ✓ indicator is on.
2. Press and hold the **Stay key** (🏠) for 2 seconds and if required enter your [access code]. **Do not leave the premises.**
3. If zones have been bypassed a warning appears.
4. After successfully initiating the arming sequence the:
  - Armed 🚪 indicator turns on.
  - Ready ✓ indicator remains lit.
  - Exit Delay timer begins counting down.
5. To cancel the arming sequence, enter your [access code].
6. Once the exit delay timer expires thereby arming the system the:
  - Ready ✓ indicator turns off.
  - Armed 🚪 indicator remains on.
  - Bypass or system indicator activates.

### What you see

Date	Time
JAN 02/13	2:06a

System is Ready to Arm
then

Enter Your Access Code
------------------------

* Warning * Bypass Active
------------------------------

Exit Delay in Progress
------------------------

System Disarmed No Alarm Memory
------------------------------------

System Armed in Stay Mode
------------------------------

### 4.1.2.1 Silent Exit Delay

If the system is armed using the Stay key (🏠) or the No Entry Arming method (★) (🚪):

- The warning beep is silenced.
- The exit time is doubled for that exit period only (CP-01 versions only).

---

**NOTE:** For non CP-01 versions, Standard Exit Time is used.

---

## 4.1.3 Night Arming the System with the Keypad

Night mode partially activates the alarm system by:

- Bypassing all internal sensors configured as Night zones.
- Arming all perimeter sensors.
- Arming all other internal sensors.

Arming the system in Night mode is only possible after the system has first been armed in Stay mode. To access armed interior areas when the system is armed in Night Mode you must disarm the system.




---

**NOTE:** Ensure that your installer has provided you with a list identifying all programmed night zones.

---

# 4 Securing the Premises


## To Arm the System in Night mode

1. Once the system is armed in Stay mode (Armed  indicator is on) at any keypad press  

**OR**

press  .

2. If required enter your [access code]. All interior zones will now be armed except for devices programmed as Night Zones.

The Night mode icon  turns on.

## What you see

Date	Time
JAN 02/13	2:06a

then

Press (\*) for <>  
Interior Arm

Enter Your  
Access Code

then

Interior Has  
Been Armed

## To gain access to interior areas that are armed during Night mode

- Disarm the system by entering your [access code].


### 4.1.4 No-Entry Arming



No-Entry Arming arms the system in Stay mode by:

- Removing the Entry Delay from all configured zones.
- Arming all perimeter sensors.
- Bypassing all interior sensors.

An entry through any zone will create an instant alarm.


## To No-Entry Arm the System

1. Check that the Ready  indicator is on and your system is ready to be armed.

2. Press   and enter your [access code].

3. If zones have been bypassed a warning appears.

4. After successfully initiating the arming sequence the:

- Armed light  flashes as a reminder that the system is armed and has no entry delay.
- Keypad sounds fast beeps.
- Keypad displays “Exit Delay in Progress”.

5. To cancel the arming sequence, enter your [access code].

6. Once the exit delay timer expires the system is armed.

## What you see

Date	Time
JAN 02/13	2:06a

Enter Your  
Access Code

\* Warning \*  
Bypass Active

then

Armed With No  
Entry Delay

then

Exit Delay in  
Progress

System Disarmed  
No Alarm Memory

System Armed  
in Stay Mode



# 4 Securing the Premises

---



## 4.2 Leaving when the System is Already Armed - Quick Exit

Use the Quick Exit feature if the system is already armed and you would like to leave without disarming and rearming the system. Quick Exit uses the same hot keys as Quick Arming, and it provides you with a two minute exit delay to leave the premises without triggering an alarm. Once the door you leave from closes, any time remaining on the 2 minute exit delay will be cancelled.

### To Quick Exit

1. When the system is already armed and the Armed light  is lit, press and hold the Quick Exit key  for 2 seconds

**OR**

press  .

2. Exit the premises within 2 minutes.

### What you see

Quick Exit in Progress
------------------------

## 4.3 Arming Errors and Exit Faults


The HS Series audibly notifies you of any errors when you are attempting to arm the system or exit the premises.

### 4.3.1 Arming Errors

An error tone sounds if the system is unable to arm. Arming errors occur if:

- The system is not ready to arm (i.e., sensors are open).
- An incorrect user code is entered.

### To Correct an Arming Error

1. Ensure all sensors are secure.
2. Press  and try arming the system again. For details on arming the system, see one of the previous arming procedures.
3. If errors persist contact your installer.

### 4.3.2 Audible Exit Faults

---

**NOTE:** Must be enabled by installer.

---

In an attempt to reduce false alarms, the Audible Exit Fault notifies you of an improper exit when arming the system in the Away mode. Improper exits are caused by:

- Failing to exit the premises during the exit delay period.
- Failing to securely close the Exit/Entry door.

Improper exits cause the following system notifications:

- The keypad emits one continuous beep.
- The bell or siren sounds.

### To Correct an Exit Fault

1. Re-enter the premises.
2. Disarm the system before the entry delay timer expires by entering your [access code].
3. Follow the Away arming procedure again, making sure to close the entry/exit door properly. For more details see 4.1.1 “Away Arming the System with the Keypad”.

# 4 Securing the Premises

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## 4.4 Disarming the system

Depending on your system configuration, there are multiple methods you can use to disarm your system.

You can disarm the system using a:

- Keypad
- 2-way wireless key
- Proximity Tag

### To Disarm the System with a Keypad

- Enter your [access code] anytime the system is armed. (Armed  indicator is on).
- If you walk through the entry door the keypad will beep. Enter your code within \_\_\_\_ seconds to avoid an alarm condition.

---

**NOTE:** Duration of Entry timer is programmed by installer.

---

### 4.4.1 Disarming Error

If your code is invalid, the system will not disarm and a 2-second error tone will sound. If this occurs, re-enter your access code.

## 4.5 Bypassing Zones

---

**WARNING:** If a zone is not operating properly contact a service technician immediately.

---

Bypassing zones intentionally unprotects specified zones the next time your system is armed. Bypassed zones are flagged on the LCD screen. For more information on zone flags see Table 4-1.

**Table 4-1 Zone Flags**

LCD Display	Flag	Description
Zone Label <>	none	Zone is ready for arming.
Zone Label <> O	O	Zone is currently open. You may be unable to arm the system.
Zone Label <> B	B	Zone is bypassed.

Bypassed zones:

- Must be configured before arming the system.
- Can be done using a keypad or SMS.
- Allow for access to protected areas when the system is armed.
- Allow you to arm the system if a zone is temporarily out of service.
- Reduce the level of security.
- Will not sound an alarm.
- Are automatically cancelled each time the system is disarmed.
- Can be programmed together within bypass groups. For more information see 4.5.1 “Bypass Groups”.

---

**NOTES:** Ensure that no zones are unintentionally bypassed when arming your system.

24-hour zones can only be unbypassed manually.

For security reasons, your installer has programmed the system to prevent you from bypassing certain zones (e.g., smoke detectors). For more information on fire zones see 10.3.1 “Fire and CO Zone Types”.

---

# 4 Securing the Premises

Additional bypass features:

- Recall Last Bypass** Recalls all zones that were bypassed the last time the bypass zone feature was used.
- Clear Bypass** Instantly clears all zones flagged to be bypassed.
- Programming a Bypass Group** Use when you consistently bypass the same zones. This feature allows you to store one group of bypassed zones in memory.
- Activating a Bypass Group** Loads a stored bypass group from memory.

## To Bypass Zones

1. Check that the Ready ✓ indicator is on and the system is disarmed.
2. Press **(\*)** to enter the function menu.
3. Press **(\*)** or **(1)**. If required enter your [access code].
4. Scroll to the desired zone using the **(< >)** keys.  
**OR**  
Directly bypass zones by entering their 3 digit zone number.
5. Press **(\*)** to toggle a bypass of the zone. To unbypass a zone press **(\*)** again. To bypass more zones repeat step 4.
6. When arming the system the following message briefly displays.
7. To exit bypassing mode and return to the Ready state, press **(\*)**.

## What you see

Date	Time
JAN 02/13	2:06a

Press (*) for <>
Zone Bypass

Scroll to <>
Bypass Zones

Zone	1	<>
------	---	----

Zone Label	<>
	B

* Warning *
Bypass Active

## To Recall the Last Bypassed Zones

1. Check that the Ready ✓ indicator is on and the system is disarmed.
2. Press **(\*)** to enter the function menu.
3. Press **(\*)** or **(1)**. If required enter your [access code].
4. Scroll to the Bypass Options menu using the **(< >)** keys.
5. Press **(\*)** to enter the Bypass Options menu.
6. Press **(\*)** to recall the last bypassed zone(s). These zone(s) will be bypassed the next time the system is armed.
7. To exit bypassing mode and return to the Ready state, press **(\*)**.

## What you see

Date	Time
JAN 02/13	2:06a

Press (*) for <>
Zone Bypass

Scroll to <>
Bypass Zones

Press (*) for <>
Bypass Options

Press (*) for <>
Bypass Recall

Bypass Recalled
Zones Bypassed

System is
Ready to Arm

## To Clear the Bypass Flag from All Zones

1. Check that the Ready ✓ indicator is on and the system is disarmed.
2. Press **(\*)** to enter the function menu.

## What you see

Date	Time
JAN 02/13	2:06a

Press (*) for <>
Zone Bypass

# 4 Securing the Premises

## To Clear the Bypass Flag from All Zones (Continued)

3. Press **(\*)** or **(1)**. If required enter your [access code].
4. Scroll to the Bypass Options menu using the **(◀▶)** keys.
5. Press **(\*)** to enter the Bypass Options menu and scroll to Clear Bypasses.
6. Press **(\*)** to clear all bypass flags.
7. To exit bypassing mode and return to the Ready state, press **(\*)**.

### What you see

Scroll to Bypass Zones	<>
Press (*) for	<>
Bypass Options	
Press (*) for	<>
Clear Bypasses	
Bypass Cleared	Zones Unbypassed
System is	Ready to Arm

## 4.5.1 Bypass Groups

Program frequently bypassed zones into the system as a bypass group. Using bypass groups avoids individually bypassing each zone. One bypass group can be programmed per partition.

**NOTE:** This feature is not to be used in UL listed installations.

### To Program a Bypass Group

1. Check that the Ready **✓** indicator is on and the system is disarmed.
2. Press **(\*)** to enter the function menu.
3. Press **(\*)** or **(1)**. If required enter your [access code].
4. Scroll to and flag all zones you want bypassed.
5. Once all zones to be bypassed are flagged, scroll to the Bypass Options menu and press **(\*)**.
6. Scroll to Prg Bypass and press **(\*)**.
7. The Bypass Group is now programmed. The keypad will beep three times. There will be no visual confirmation message.
8. To exit bypassing mode and return to the Ready state, press **(#)**.

### What you see

Date	Time
JAN 02/13	2:06a
Press (*) for	<>
Zone Bypass	
Scroll to	<>
Bypass Zones	
Upstrs H Wdw	<>
	B
Press (*) for	<>
Bypass Options	
Press (*) for	<>
Prg Bypass	
Press (*) for	<>
Zone Bypass	
System is	Ready to Arm

### To Load a Bypass Group

1. Check that the Ready **✓** indicator is on and the system is disarmed.
2. Press **(\*)** to enter the function menu.
3. Press **(\*)** or **(1)**. If required enter your [access code].
4. Scroll to the Bypass Options menu and press **(\*)**.
5. Scroll to Bypass Group and press **(\*)**.

### What you see

Date	Time
JAN 02/13	2:06a
Press (*) for	<>
Zone Bypass	
Scroll to	<>
Bypass Zones	
Press (*) for	<>
Bypass Options	
Press (*) for	<>
Bypass Group	

## 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
```

DRAFT 3



# 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  

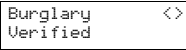
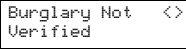
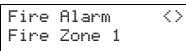
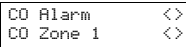
**OR**

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".

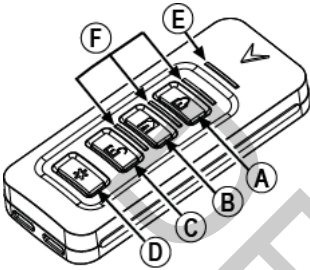


Figure 6-1 PGx929

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

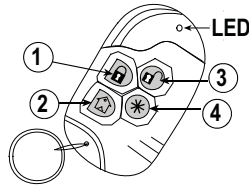


Figure 6-2 PGx939

- 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.

### What you see

Date	Time
JAN 02/13	2:06a

2. Press  $\star$   $\square$

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

### 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  $\star$

Press (*) for <> SMS Programming
-------------------------------------

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

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.

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