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HS2016/HS2016-4/HS2032/HS2064/HS2064 E/ HS2128/HS2128 E Alarm Panel

User Guide



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.

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1.0 Quick Reference



The PowerSeries Neo Alarm System uses shortcut keys to access features on all models of keypads. When using an LCD keypad, the PowerSeries Neo Alarm System uses a menu based navigation system. The scroll keys can be used to navigate through the list of options contained within the current menu. For more information see: 2.0 “Understanding your Keypad”. Look up detailed information on any of the listed actions using the accompanying Section number.















For detailed information about the PowerSeries Neo Alarm System, refer to the full online manual, which can be accessed from the DSC.com website.

Note: Some features must be enabled by installer.

Note: Bypass Groups are not permitted in UL listed installations.

Status Lights		Function Keys	Emergency Keys
	Ready - 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.	 Stay Arm	 Fire
	Armed - Indicates system is armed . If the Ready light and the Armed light are both on, an Exit Delay is in progress.	 Away Arm	 Medical
	Trouble - 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 off the indicator.	 Chime	 Panic
	AC Power - Indicates AC Power is present. The AC Power light will turn off when AC is absent.	 Reset Sensors	
		 Quick Exit	

Action	Press	Section
Away Arm	 for 2 seconds + [Access Code*]	3.1.2
Stay Arm	 for 2 seconds + [Access Code*]	3.2
Night Arm	When armed in stay mode [*][1] + [Access Code*]	3.3
Disarm	[Access Code]	3.1
No-Entry Arming	[*][9] + [Access Code*]	3.4
Quick Arm /Quick Exit	[*][0]	3.5
Abort Arming Sequence	[Access Code]	
Bypassing - All bypass commands begin with [*][1] + [Access Code*]		
Bypass Individual Zones	[3 Digit Zone #]	3.7.1
Bypass All Open Zones	[9][9][8]	3.7.1
Recall Last Bypass	[9][9][9]	3.7.1
Clear Bypass	[0][0][0] OR [Scroll] Bypass Options + [*] + [Scroll] Clear Bypasses + [*]	3.7.1
Program Bypass Group	[3 digit zone #s] + [9][9][5] OR [3 digit zone #s] + [Scroll] Bypass Options + [*] + [Scroll] Prg Bypass Group + [*]	3.8
Load Bypass Group	[9][9][1] OR [Scroll] Bypass Options + [*] + [Scroll] Bypass Group + [*]	3.8
Common Functions		
Set Time and Date	[*][6] [Master Code] + [0][1]	8.2

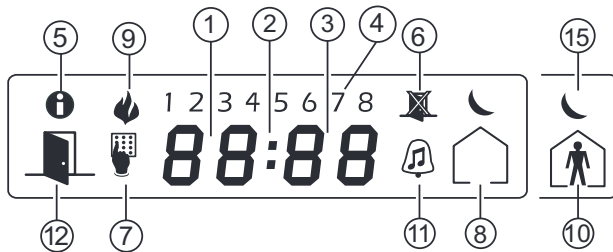
Action	Press	Section
Turn Chime ON/OFF	[*][4] + [Access Code*] OR 	10.1
Change Brightness	[*][6] [Master Code] + [1][2] +  	8.8
Change Contrast	[*][6] [Master Code] + [1][3] +  	8.8
Add/Delete User	[*][5] + [Master Code] + [Access Code] + 1	7.0
Reset Smoke Detectors	 OR [*][7][2]	5.2
View Troubles	[*][2] + [Access Code*] +  	8.15
View Alarms	[*][3] + [Access Code*] +  	5.1.5
Perform System Test	[*][6] + [Master Code] + [0][4] +  	4.4
Buzzer Volume	[*][6] + [Master Code] + [1][4] +  	8.10

2.0 Understanding Your Keypad

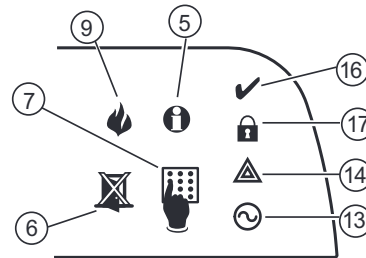
The PowerSeries Neo Alarm System supports a variety of wireless, hardwired and proximity sensor LCD, LED and Icon keypads. All keypads come equipped with the LED status lights described in section 1 "Quick Reference". HS2LCD series keypads display system messages on their LCD screen. HS2ICN series keypads display messages, as described in the following section. HS2LED series keypads display messages via a series of numbered LEDs, as described in the following section. All keypad versions will have a solid blue LED bar that is always on except when, if enrolled, a proximity tag is presented and successfully read by the keypad.

2.1 Icon and LED Keypad Symbols

HS2ICN Series



HS2LED Series



- | | |
|----------------------|--|
| 1. Clock Digits 1, 2 | These clock digits indicate the hour when the local clock is active. Digit 2 is also used to identify the zone number. |
| 2. : (Colon) | This icon is the hours/minutes divider and will flash once per second when the local clock is active. |
| 3. Clock Digits 3, 4 | These are the minute digits when the local clock is active. The digits 3 and 4 are used to indicate the zone number for open zones or alarm in memory. These two digits combined with the clock digit 2, scroll one zone per second from the lowest number to the highest, when scrolling through zones. |
| 4. 1 to 8 | These numbers identify troubles when [*][2] is pressed. |
| 5. Memory | Indicates that there are alarms in memory. |
| 6. Bypass | Indicates that there are zones bypassed. |
| 7. Program | Indicates that the system is in Installer or User's programming, or that the keypad is busy, and the LED will flash. If an Access Code is required, while accessing [*] menus, this LED is ON and solid to indicate that the code is required. |
| 8. Away | Indicates that the panel is armed in the Away Mode. |
| 9. Fire | Indicates that there are fire and/or CO 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 activated zones (not alarm) on the system. When zones are opened, the OPEN icon will turn on, clock digits 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. If the toggle of the Ready LED flashes for Force Arming enabled, the LED flashes with force armable zones open on the partition. |
| 17. Armed Light (red) | If the Armed light is on, the system has been armed successfully. |

Note: For UL listed installations, zones can only be bypassed manually.

2.2 Keypad Models

Note: In the following list if x = 9 (the system operates in 912-919MHz), x=4 (the system operates in 433MHz band) or x=8 (the system operates in 868MHz band). Only models operating in 912-919MHz band are UL/ULC listed.

HS2LCD	Alphanumeric LCD keypad
HS2LCDP	Alphanumeric LCD keypad with Prox. Tag support
HS2ICN	Icon keypad
HS2ICNP	Icon keypad with Prox. Tag support
HS2LED	LED keypad
HS2LCDRFx	Alphanumeric LCD keypad with wireless receiver
HS2LCDRFPx	Alphanumeric LCD keypad with wireless receiver and Prox. tag support
HS2ICNRFx	Icon keypad with wireless receiver
HS2ICNRFPx	Icon keypad with wireless receiver and Prox. tag support
HS2LCDWFx	Wireless Alphanumeric LCD keypad
HS2LCDWFPx	Wireless Alphanumeric LCD keypad with Prox. Tag support
HS2LCDWFPVx	Wireless Alphanumeric LCD keypad with Prox. Tag support & Voice Promp
HS2TCHP	Touchscreen keypad. For additional information, refer to the HS2TCHP Touchscreen User Manual.

3.0 The PowerSeries Neo Security System

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

Note: The PowerSeries Neo security system includes specific false alarm reduction features and is classified in accordance with ANSI/ SIA CP-01-2010 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.

3.1 General System Operation

Your security system is made up of a PowerSeries Neo 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. LCD keypads have 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 is connected to one or more sensors (motion detectors, glassbreak detectors, door contacts, etc.). A sensor in alarm is indicated by the corresponding zone lights flashing on an LED keypad or by messages on the LCD keypad.

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

3.2 Testing Your System

Tests all system keypad LEDs, keypad sounders, bells and/or sirens. To ensure that your system continues to function as intended, you must test your system weekly.

IMPORTANT: For UL HOME HEALTH CARE listed applications the system shall also be tested weekly without AC power. To remove AC from the control unit, remove the screw from the restraining tab of the plug in adapter and remove the adapter from AC outlet. After completing the test of the unit using only the battery backup source, reconnect the plug in adapter and attach the screw through the restraining tab so that the adapter is securely attached to the outlet.

IMPORTANT: Should your system fail to function properly, contact your installation company.

IMPORTANT: All smoke detectors must be tested by your smoke detector installer once per year.

To Perform a Keypad and Siren Test

1. From the Ready state press [*][6] and enter the [Master Code] to access User Functions.
2. Press [04] or use the scroll keys to navigate to System Test and press [*]. The system activates all keypad sounders, bells/sirens and keypad LEDs for two seconds.
3. To go back to the Ready state press [#].

LCD Display

Press (*) for <> User Functions

Press (*) for <> System Test

Note: If your system has PIR cameras enrolled, two images from each PIR camera are sent to the monitoring station during a system test.