

ELITE SX Version
(64 Zone Control Communicator)

V10

Arrowhead
Alarm Products Ltd

Program Summary Guide

Proudly Designed and Manufactured in New Zealand

SOFTWARE VERSION

This manual relates to ELITE SX control panels with software version **V10.0.115** and above

Special Programming Operating Procedures

Programming addresses that have 32 options (Areas, Outputs & Keypads)

When in Program mode there are many program addresses (eg P3E) where there are 32 options that can be selected. When in these locations the selection is always a two digit number, eg at P3E you can select up to 32 areas, if you wanted to select areas 1, 5, 9, 10, & 15 the data entries would be 01, 05, 09, 10, 15.

If you wanted to select all 32 you can press and hold the "9" button for 2 seconds to turn on all 32 options, if you wanted to turn them all off you can press and hold the "0" button for 2 seconds to turn them all off.

Deleting User codes, Account Codes, Telephone Numbers, etc

If a numeric entry such as user codes, monitoring account codes, telephone numbers, etc, needed to be deleted you can press and hold the <Control> button then press the <0> button (maintained for compatibility with the current ELITE S operation) or you can press and hold the <0> button for 3 seconds to delete the entry.

Programming LCD custom text

All LCD text is stored in the control panel memory and transferred to all keypads so the panel remains the master database at all times. If user text is changed (eg User Name, Area Name, Output Name, etc) the new text is broadcast to every LCD keypad on the bus as soon as the enter button is pressed to save the changes so all keypads have the new text immediately. If a new LCD keypad is added to the system the panel broadcasts the CRC's for all of the text blocks so the keypads can compare their CRC with the panels. If there is a difference in the CRC's indicating that the LCD and panel text don't match a request is made by the keypad to download all text blocks where the CRC's don't match ensuring all keypads stay up to date with the panel. This task is carried out in the back ground and does not have to be initiated by the installer or end user.

Key-switch Programming

The Key-switch function has now been moved to being a zone function. If any arm/disarm option is turned on at P120E the associated zone will now be a key-switch, eg P120E48E options 1 & 3 turned on would mean that zone 48 is now a key-switch that can arm and disarm the area/s assigned at P121E48E.

LCD Keypad Operational Mode

The full LCD keypad will always show "Areas Armed" as soon as any area associated with the keypad is armed. If option 4 is off at P96E for the associated keypad the "Areas Armed" will show one area at a time on the bottom line of the display. The full Area name will be shown. The area names will cycle through showing all currently armed areas. An armed area could be fully armed or stay armed. If some areas associated with the keypad are not armed the "Ready LED" will still turn off when zones are unsealed but they will not be displayed while "Areas Armed" is on. To see any unsealed (not Ready) zones you can press the "Enter" button to switch to the zone display menu. After 10 seconds of no button presses the display will revert back to the "Areas Armed" display. Alternatively if the "Down Arrow" button is pressed while the display is showing "Areas Armed" the display will change from showing the individual area names to area numbers. Up to 7 two digit area numbers can be displayed on the bottom line. If there are more than 7 areas armed the display will cycle through 7 area numbers at a time repeating the cycle once it has shown all areas. By repeatedly pressing the "Down Arrow" the user can control what areas are displayed on the bottom line. If the "Down Arrow" is not pressed for 15 seconds the display will revert back to normal. If option 4 is on at P96E for the associated keypad the "Areas Armed" will show up to 7 area numbers on the bottom line and will cycle through the list if more than 7 areas are armed. If the "Down Arrow" button is pressed the user can control what areas are displayed on the bottom line. If the "Down Arrow" is not pressed for 15 seconds the display will revert back to normal.

ELITE SX BULK COPY FUNCTION

There are a number of program locations where selected program data can be copied to a range of similar program addresses. The list of these program locations is shown below. As an example if user 100 was set up as a template and users 101 to 200 were to all have the same program options, by entering in P17E 100E followed by 101E then 200E the panel will copy all of the programmed data for user 100 to users 101 to 200. This feature can be performed multiple times, eg user 250 could be set up as a template then it could be copied to users 251 to 300.

Bulk COPY a User to a range of Users

P17E Template User #E Start User #E End User #E Bulk COPY a User to a range of USERS

Bulk COPY an Output to a range of Outputs

P30E Template Output #E Start Output #E End Output #E Bulk COPY an Output to a range of OUTPUTS

Bulk COPY an Area to a range of Areas

P70E Template Area #E Start Area #E End Area #E Bulk COPY an Area to a range of AREAS

Bulk COPY a Keypad to a range of Keypads

P97E Template Keypad #E Start Keypad #E End Keypad #E Bulk COPY a Keypad to a range of KEYPADS

Bulk COPY a Zone to a range of Zones

P118E Template Zone #E Start Zone #E End Zone #E Bulk COPY a Zone to a range of ZONES

ELITE SX LCD TEXT PROGRAM SUMMARY GUIDE

There are a number of program locations where custom text names can be programmed. These custom text names are used by the LCD keypad when displaying area names when armed and also when viewing events in memory mode.

			Program LCD KP "User" Name
P16E	1-2000E	Program LCD KP "User" Name Text	
			LCD KP "Idle" Display Name
P25E	14E	This location is where the LCD KP "Idle" Display Name can be Programmed.	
			Program LCD KP "Output" Name
P31E	1-32E	Program LCD KP "Output" Name Text	
			Program LCD KP "Area" Name
P69E	1-32E	Program LCD KP "Area" Name Text	
			Program LCD KP "Keypad" Name
P100E	1-32E	Program LCD KP "Keypad" Name Text	
			Program LCD KP "Zone" Name
P169E	1-64E	Program LCD KP "Zone" Name Text	

DTMF COMMAND CONTROL SEQUENCE

If DTMF Command Control has been enabled the operation is performed as follows.

Call the control panel.

When the panel answers it will play the message "Enter your code followed by the # key".

At that point enter in your DTMF Code (program location P63E for Area Arm/Disarm or P175E12E for Output control) followed by the # key on the phone.

DTMF Arming and Disarming

If for example the DTMF code to remotely arm and disarm Area 1 (P63E1E) was 1234 and Area 1 was disarmed, when you enter the Area 1 DTMF code;

1234 # - (you will hear the message "Area 1 Disarmed")

If you then press the * key it will change the state of Area 1, eg

***** - (you will hear the message "Area 1 Armed")

DTMF Output Control

If for example the DTMF code to remotely control Outputs (P175E12E) was 9876 and you were controlling Output 1 (which was currently Off), when you enter the Output DTMF code followed by output 1 (01);

9876 01 # - (you will hear the message "Output 1 Off")

If you then press the * key it will change the state of Output 1, eg

***** - (you will hear the message "Output 1 On")

Exiting DTMF Control Mode

When all DTMF remote control functions are completed you can either hang up the phone and the control panel will hang up automatically in 15 seconds or you can press;

00 # - (you will hear "Goodbye") and the panel will hang up immediately.

DISPLAY IP & MAC ADDRESS AT THE KEYPAD

When the panel is in normal mode (ie not in program mode) it is possible to display the currently assigned IP address for the panel and the MAC address. This feature is only available at the full LCD Keypad, it is not available on the ICON LCD keypad.

To view the MAC Address

At the LCD keypad press and hold the <8> button for 4 seconds until the display shows the panels MAC address. To exit the display mode press the <ENTER> button.

To view the IP Address

At the LCD keypad press and hold the <9> button for 4 seconds until the display shows the panels IP address. To exit the display mode press the <ENTER> button.

Automatic Control of Doors

When there is a need to unlock a controlled door during the day and keep it unlocked, this can be achieved two ways. The first is to program a Time Zone to the output (P44E), the second is to program the area disarm indication to the output (P49E).

Unlock on a Time Zone

Any of the 32 Time-zones can be assigned to outputs 1-32. This function can be used to unlock a controlled door so the door will remain unlocked while the T/Z is on and relock it when the T/Z is off allowing normal timed access control through the door when the T/Z is inactive. If a TZ has turned an Output ON the TZ will override any reset time programmed for the Output. A TZ can be linked to holidays (P174E option 1 Off) so that the TZ will not unlock the door when a holiday is active. The reset, pulse or chime timers can resume controlling the Output once the TZ has ended and the output is OFF. The CONTROL to Output function is the only operation that can override the Output while the TZ is active (see additional comment below).

Unlock when Disarmed

Each Area can have a disarm indication assigned to an output to unlock a controlled door so the door will remain unlocked while the alarm is disarmed and relock it when the alarm is armed allowing normal timed access control through the door afterhours. This function allows a door to be unlocked only when the premises are occupied and relocked when the premises are vacated (ie the alarm is armed). If an Area Disarm has turned an Output ON this will override any reset time programmed for the Output. The reset, pulse or chime timers can resume controlling the Output once the Area is armed and the output is OFF. The CONTROL to Output function is the only operation that can override the Output while disarmed (see additional comment below).

<CONTROL> override of an unlocked door

When an output is on because a TZ is active or the alarm is disarmed the output will stay on until the TZ is inactive or the alarm is armed.

At times there may be reasons why the door needs to be locked even if a TZ is active or the alarm is disarmed, (eg an employee is at work on a public holiday and the alarm is disarmed but they want the door to be locked).

Under these special conditions it is possible to program the output connected to the door so that it can be controlled using the <CONTROL> button at the keypad closest to the controlled door. At Program address P83E the output controlling the door can be assigned to a keypad close to the controlled door. By pressing the control button for 2 seconds (option 8 must be on at P96E to allow direct control of the output) the door control can be overridden. If the control button is pressed for another 2 seconds it will unlock the door again.

ELITE SX PROGRAM SUMMARY GUIDE



Programming User Codes

P1E 1-2000E User Code 1-2000 - Default for User Code # 1 (P1E1E) = 123 Codes can be 1-6 or 4-6 digits.
(where 1E = User Code #1 to 2000E = User Code #2000)

NOTE: The 2000 Users can be keypad Code, Radio or Access key Users. They can be mixed but the Maximum is 2000 Users.
The User type MUST be set to "0" (P2E User# E) for a code to be entered at the above address.

User Type (Code/Radio/Access Tag-Card)

P2E 1-2000E User # 1-2000 Type - (Default = 0)
0 = Keypad Code User {PIN}
1 = Radio User (Users 101-2000 only)
2 = Access Tag/Card User
3 = Both Code and Access Tag/Card User {Tag + PIN}
4 = Either Code or Access Tag/Card User {Tag or PIN}

User Area Assignment

P3E 1-2000E User # 1-2000 Area - (Default = 1)
01-32 = Assigned to Area 1-32

User Code Access Options

P4E 1-2000E Users 1-2000 Access Options (Default = 1,3,4)
1 = Code can Arm Area
2 = Code can arm Stay Mode
3 = Code can Disarm Area
4 = Code can disarm Stay Mode
5 = Code is a Security Guard Code
6 = Code will Arm Latchkey Mode
7 = User can reset latched Egress Outputs
8 = Can View Event Memory

User Code Privileges

P5E 1-2000E Users 1-2000 Privileges
(Default User 1 = 2,3,4,5,6,7,8)
(Default User 2-2000 = All Off)
1 = User can Change their Code
2 = User can Change All Codes
3 = User can Allow Access to Installer Mode/Edit all Codes
4 = User can Change Telephone Numbers
5 = User can Change the Clock
6 = User can Change DTMF Command Codes
7 = User can Learn New Radio Devices
8 = Spare

User Code Misc Options

P6E 1-2000E Users 1-2000 Misc Opts
1 = User is excluded from Global trouble reset (P25E10E)

Radio User Type

P7E 101-2000E Radio User 101-2000 Type (Default = 0)
0 = General Pendant Type
1 = Crow Freewave Pendant
21 = Ness Pendant

Radio User Privileges

P8E 101-2000E Radio Users 101-2000 Privileges (Default = 1)
1 = Pendant Can Disarm at All Times
2 = Pendant Causes Immediate Panic
3 = Pendant Causes Delayed Panic (1.5 Sec)
4 = Pendant only works during Entry Delay
5 = This User is a Duress Code (Users 101-2000)
6 = Spare
7 = Spare
8 = Spare

Time Zone Assigned to a User

P9E 1-2000E Time Zone to User # 1-2000 (Default = All Off)
01 = User Controlled by Time Zone # 1
02 = User Controlled by Time Zone # 2
03 = User Controlled by Time Zone # 3
04 = User Controlled by Time Zone # 4
05 = User Controlled by Time Zone # 5
06 = User Controlled by Time Zone # 6
07 = User Controlled by Time Zone # 7
08 = User Controlled by Time Zone # 8
a
32 = User Controlled by Time Zone # 32

User Activates Dormant Time Zone

P1032E 1-2000E User Activates Time Zone # 1-2000 (Default = All Off)
01 = User Activates Time Zone # 1
02 = User Activates Time Zone # 2
03 = User Activates Time Zone # 3
04 = User Activates Time Zone # 4

05 = User Activates Time Zone # 5
 06 = User Activates Time Zone # 6
 07 = User Activates Time Zone # 7
 08 = User Activates Time Zone # 8
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 32 = User Activates Time Zone # 32

User to Keypad Assignment

P10E 1-2000E User # 1-2000 Keypad Assignment
 (Default = All On)

01 = Can Operate at Keypad # 1
 02 = Can Operate at Keypad # 2
 03 = Can Operate at Keypad # 3
 04 = Can Operate at Keypad # 4
 05 = Can Operate at Keypad # 5
 06 = Can Operate at Keypad # 6
 07 = Can Operate at Keypad # 7
 08 = Can Operate at Keypad # 8
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 32 = Can Operate at Keypad # 32

Radio Pendant Panic Beeps to Keypad

P11E 101-2000E Radio # 101-2000 Panic Beep to Keypad
 (Default = All On)

01 = A Radio panic will Beep at Keypad # 1
 02 = A Radio panic will Beep at Keypad # 2
 03 = A Radio panic will Beep at Keypad # 3
 04 = A Radio panic will Beep at Keypad # 4
 05 = A Radio panic will Beep at Keypad # 5
 06 = A Radio panic will Beep at Keypad # 6
 07 = A Radio panic will Beep at Keypad # 7
 08 = A Radio panic will Beep at Keypad # 8
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 32 = A Radio panic will Beep at Keypad # 32

User can Turn an Output On

P13E 1-2000E User # 1-2000 Can Turn On an Output
 (Default = All Off)

01 = User Can Turn on Output # 1
 02 = User Can Turn on Output # 2
 03 = User Can Turn on Output # 3
 04 = User Can Turn on Output # 4
 05 = User Can Turn on Output # 5
 06 = User Can Turn on Output # 6
 07 = User Can Turn on Output # 7
 08 = User Can Turn on Output # 8
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 32 = User Can Turn on Output # 32

User can Turn an Output Off

P14E 1-2000E User # 1-2000 Can Turn Off an Output
 (Default = All Off)

01 = User Can Turn off Output # 1
 02 = User Can Turn off Output # 2
 03 = User Can Turn off Output # 3
 04 = User Can Turn off Output # 4
 05 = User Can Turn off Output # 5
 06 = User Can Turn off Output # 6
 07 = User Can Turn off Output # 7
 08 = User Can Turn off Output # 8
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 32 = User Can Turn off Output # 32

Radio Pendant Panic Alarm to an Output

P15E 101-2000E Radio # 101-2000 Panic Alarm to an O/P
 (Default = 1,2)

01 = Radio panic to Output # 1
 02 = Radio panic to Output # 2
 03 = Radio panic to Output # 3
 04 = Radio panic to Output # 4
 05 = Radio panic to Output # 5
 06 = Radio panic to Output # 6
 07 = Radio panic to Output # 7
 08 = Radio panic to Output # 8
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 32 = Radio panic to Output # 32

Program LCD KP "User" Name

P16E 1-2000E Program LCD KP "User" Name Text

Bulk COPY a User to a range of Users

P17E Template User #E Start User #E End User #E Bulk COPY a User to a range of USERS

Learn Radio Pendant Codes

P18E 101-2000E Learn Radio Pendant Codes for Users 101-2000
 (applies if the User Type, P2E, is set to 1)

Delete a Specific Radio Pendant Code

P19E 101-2000E Delete a Specific Radio Pendant Code for Users 101-2000
 (applies if the User Type, P2E, is set to 1)

Find Radio Pendant memory Location

P20E ENTER Enter this address then operate the Radio Pendant to find its user #
(applies if the User Type, P2E, is set to 1). After P20E press enter to start the find process.

Learn Access Tag/Card Codes

P21E 1-2000E Learn Access Tag/Card Codes for Users 1-2000
(applies if the User Type, P2E, is set to 2, 3 or 4)

Delete a Specific Access Tag/Card Code

P22E 1-2000E Delete a Specific Access Tag/Card Code for Users 1-2000
(applies if the User Type, P2E, is set to 2, 3 or 4)

Find an Access Tag/Card memory Location

P23E Enter this address then operate the Access Tag/Card to find its user #
(applies if the User Type, P2E, is set to 2, 3 or 4). After P23E press enter to start the find process.

Manually enter in a Card/Tag Printed Number

P24E 1-2000E Enter this address then type in the 10 digit printed card/tag number #

Code/Tag/Radio User Usage Count

P1025E 1-2000E A value of 1-254 equals the number of times it can be used. 255 = always

Code/Tag/Radio User Start Date

P1026E 1-2000E DD:MM:YY The date a Code/Tag/Radio User will start to function.

Code/Tag/Radio User End Date

P1027E 1-2000E DD:MM:YY The date a Code/Tag/Radio User will cease to function.

Code/Tag/Radio User Start Time

P1028E 1-2000E HH:MM The time a Code/Tag/Radio User will start to function.

Code/Tag/Radio User End Time

P1029E 1-2000E HH:MM The time a Code/Tag/Radio User will cease to function.

+++++Miscellaneous Panel & Clock Settings+++++

Installer Code

P25E 1E Installer Code - (Default = 000000)

Duress Digit

P25E 2E Duress Digit - Value 1-9 (Default = 0 Duress Function Disabled)

Dial Report Delay

P25E 3E Dial Report Delay - Value 0-255 seconds (Default = 0)

Radio Detector Supervised Timer

P25E 4E Radio Detector Supervised Timer - 0-9999 Minutes (Default = 240 Minutes [4 Hours])

Two Trigger Timer

P25E 5E Two Trigger Timer - Value 0-255 Seconds (Default = 60 Sec)

Mains Fail Reporting Delay

P25E 6E Mains Fail Reporting Delay - Value 0-9999 Seconds (Default = 600 Sec)

Receiver Fail Delay

P25E 7E Receiver Fail Delay - Value 0-9999 Seconds (Default = 0 Sec-Disabled)

Upload/Download Site Code Number

P25E 8E Upload/Download Site Code Number - Up to 8 Characters (Default = None)

Temporary Output Disable

P25E 9E Temporary Output Disable - Output 1-32

Miscellaneous Panel Options

P25E 10E Misc. Panel Options
(Default = 2,6)

Miscellaneous Options

- 1 = Panel Tamper is 2k2 EOL
- 2 = Direct access to program mode for the installer code.
- 3 = Disable Mains Fail Test
- 4 = Globally reset trouble alarms
- 5 = Cannot arm the alarm if Receiver fail mode is active
- 6 = Enable iPSU AC and Battery Low monitoring
- 7 = Cannot arm if the system battery is low
- 8 = Installer Lockout

Installer Options

P25E 11E Installer Options

(Default = All Off)

- 1 = Installer MUST enter program mode via Client mode to reset confirmed alarms
- 2 = Installer MUST enter program mode via Client mode to reset tamper alarms
- 3 = Installer MUST enter program mode via Client mode to reset low battery alarms
- 4 = Installer MUST enter program mode via Client mode to reset supervisory alarms
- 5 = Cannot Arm if there is a keypad Fault
- 6 = Cannot Arm if there is a Telephone Line Failure or Comms Fault
- 7 = 10 Incorrect Code Attempts locks out the keypad for 90 Seconds
- 8 = User Codes Must be 4-6 digits long

User Options

P25E 12E User Options (NOTE: This Option can ONLY be accessed from Client Mode)

(Default = All Off)

- 1 = Hide User Codes from Installer

P25E 13E Misc. User Options

(Default = None)

Miscellaneous User Options

- 1 = Code Required to View Memory
- 2 = Cancel Handover Zone Function in Stay Mode
- 3 = Output Control from Keypad is Disabled when Armed
- 4 = Keypad Codes are Disabled During Entry Delay
- 5 = Keypad LED's and Backlight off on no activity
- 6 = Use new multi-area arming method
- 7 = Enable Keypad Tamper Switch Alarms
- 8 = Spare

LCD KP "Idle" Display Name

P25E 14E This location is where the LCD KP "Idle" Display Name can be Programmed.

Webpage "Incorrect Login" Count

P25E 15E 0-255. If this address is set to 0 there is no incorrect login count. If set from 1-255, that is the number of incorrect login attempts before the webpage access is locked out.

Webpage "Incorrect Login" Lockout Time

P25E 16E 0-9999. If this address is set to 0 there is no lockout time if the programmed count at P25E15E is exceeded. If set from 1-9999, that is the time in seconds that all webpage access will be locked out for.

World Time Zone

P25E 17E World Time Zone

Program Mode/Arming Options

P25E 18E Prog/Arm Options

(Default = None)

Program Mode/Arming Options

- 1 = Can enter program mode when another area is armed
- 2 = Can arm when a keypad in a different area is in program mode
- 3 = Serial over IP Authentication Required
- 8 = Hide extended information in the memory events

Serial over IP User Name

P25E 19E Serial over IP User Name (maximum 16 characters)

Serial over IP Password

P25E 20E Serial over IP Password (maximum 16 characters)

Serial over IP User Timeout

P25E 21E Serial over IP User Timeout (Default = 300, 10-600 seconds)

Setting Real Time Clock

P26E 1E Real Time Hour/Minute - Value 0-2359

P26E 2E Real Time Day of Week - Value 1-7 (1=Sunday, 2=Monday, etc)

P26E 3E Real Time Date/Month/Year - Value DDMMYY (eg 020904 = 2nd Sept 2004)

P26E 4E Daylight Saving is Active (If LED #1 is On, Daylight Saving is currently active) Turn this bit ON if you are in Daylight Saving Time when the panel is installed.

NOTE: If option 3 at P201E4E is turned on (panel clock synced to the internet time) the above time and date settings cannot be altered.

Daylight Saving settings

P27E 1E Daylight Saving Start Sunday - Value 0-5 - Default = 5 (0 = DLS disabled, 5 = last Sunday of Month)

2E Daylight Saving End Sunday - Value 0-5 - Default = 1 (0 = DLS disabled, 5 = last Sunday of Month)

P28E 1E Daylight Saving Start Month - Value 1-12 - Default = 9

2E Daylight Saving End Month - Value 1-12 - Default = 4

P29E 1E Daylight Saving Start Hour - Value 0-23 - Default = 2

2E Daylight Saving End Hour - Value 0-23 - Default = 3

++++++Outputs++++++

Bulk COPY an Output to a range of Outputs

P30E Template O/P #E Start O/P #E End O/P #E Bulk COPY an Output to a range of OUTPUTS

Program LCD KP "Output" Name

P31E 1-32E Program LCD KP "Output" Name Text

Program Output Volume when Disarmed

P33E 1-2E The Volume of O/P 1 & 2 when the alarm is disarmed can be set to a value of 1-8

Programming Output Options "A"

P34E 1-32E Options "A" for Outputs 1-32 1 = Invert Output
(Default = All Off) 2 = Flash Output
3 = Single Pulse to Output
4 = Lockout Output
5 = DTMF Remote Control can operate Output
6 = User Can operate this Output
7 = "Control" button Can Operate Output
8 = Chime Alarms will Flash this Output (linked to Pulse Timer)

Programming Output Options "B"

P35E 1-32E Options "B" for Outputs 1-32 1 = Mains Fail to Output (Operates when P25E6E time expires)
(Default O/P's 1&2 = 7) 2 = Fuse Failure to Output
(Default O/P's 3-8 = All Off) 3 = Battery Low to output
4 = Telephone Line Failure to Output
5 = Supervised Radio Signal Failure
6 = Sensor-Watch Alarm
7 = System Tamper to Output
8 = Receiver Fail

Programming Output Options "C"

P36E 1-32E Options "C" for Outputs 1-32 1 = Walk Test Pulse to Output
(Default = All Off) 2 = Pulse Output every 5 seconds when Disarmed
3 = Pulse Output on Kiss-off Following Arming
4 = Pulse Output on Kiss-off Following a Zone Alarm
5 = Output Disabled when P25E3E timer is running
6 = Output indicates In-coming phone call.
7 = Play Doorbell tone on a Chime zone trigger
8 = IP Fail (Timed)

Programming Output Options "D"

P37E 1-32E Options "D" for Outputs 1-32 1 = Siren Driver to Output (requires a horn speaker, outputs 1&2)
(Default = All Off) 2 = Output Chime timer is in minutes (off for 1/10th sec)
3 = Output 'silenced' for 10 seconds on key-press if alarm
4 = Turn Output OFF during Two Way Voice Mode
5 = Spare
6 = Pulse output when exit delay to Output (P65E) is running
7 = Spare
8 = Monitored Output (can tell if siren cable is cut, outputs 1&2 only)

Output ON Delay Time

P38E 1-32E Output 1-32 ON Delay Time - 0-9999 Seconds (Default = 0 Sec)

Output Pulse Time

P39E 1-32E Output 1-32 Pulse Time - 0-255;1/10th Sec increments (Default =2 which is 0.2 sec)

Output Reset Time

P40E 1-32E Output 1-32 Reset Time - 0-65535 Seconds (Default = 300 Sec)

Output Chime Mode Time

P41E 1-32E Output 1-32 Chime Timer - 0-9999;1/10th Sec increments (Default =10 which is 1 sec)

Start of Output "Command Control" Status Messages

P42E 1-32E Reserved for future use.

Un-Map an Output

P43E 1-32E Un-map Outputs 1-32 (remove ALL Defaults from an Output)

Assigning a Time-zone to an Output

P44E 1-32E Time-zones that will control Outputs 1-32 - Value = Time-zone 01-32 (Default = All Off)

(NOTE: If a TZ has turned an Output ON the TZ will override any reset time programmed for the Output. The reset, pulse or chime timers can resume controlling the Output once the TZ has ended and the output is OFF. The CONTROL to Output function is the only operation that can override the Output while the TZ is active.)

+++++Areas+++++

Area 1-32 Options A

P45E 1-32E Area 1-32 Options A
 (Default = All Off)

- 1 = Arm Button Required Before Code to Set
- 2 = Stay Button Required Before Code to Set Stay Mode
- 3 = Code required to Set
- 4 = Code Required to Bypass Zones
- 5 = Spare
- 6 = Send Arm at the end of the Exit Delay
- 7 = Can Arm only if All Zones are Sealed (Ready)
- 8 = Can Arm Stay Mode only if All Zones are Sealed (Ready)

Area 1-32 Options B

P46E 1-32E Area 1-32 Options B
 (Default = All Off)

- 1 = Near and Confirmed Alarm reporting for All zones in this Area (CID only)
- 2 = Area will arm at end of time-zone
- 3 = Area will disarm at beginning of time-zone
- 4 = Assign Chirps to Access tags
- 5 = Spare
- 6 = Spare
- 7 = Cannot Arm if Zone Unsealed at end of Exit Delay
- 8 = Arm on no Activity

Area 1-32 Arm Indication to Output

P47E 1-32E Area 1-32 Arm Indication to Output - Value 01-32 (for Outputs 1-32)
 (Default = All Off)

Area 1-32 Stay Arm Indication to Output

P48E 1-32E Area 1-32 Stay Arm Indication to Output - Value 01-32 (for Outputs 1-32)
 (Default = All Off)

Area 1-32 Disarm Indication to Output

P49E 1-32E Area 1-32 Disarm Indication to Output - Value 01-32 (for Outputs 1-32)
 (Default = All Off)

(NOTE: If an Area Disarm has turned an Output ON this will override any reset time programmed for the Output. The reset, pulse or chime timers can resume controlling the Output once the Area is armed and the output is OFF. The CONTROL to Output function is the only operation that can override the Output while disarmed.)

Area 1-32 Pendant (or Access Tag) Arm Chirp to Output

P50E 1-32E Area 1-32 Arm Chirp to Output - Value 01-32 (for Outputs 1-32)
 (Default = All Off)

(One chirp to the output for arm)

Area 1-32 Pendant (or Access Tag) Stay Arm Chirp to Output

P51E 1-32E Area 1-32 Stay Arm Chirp to Output - Value 01-32 (for Outputs 1-32)
 (Default = All Off)

(One chirp to the output for stay arm)

Area 1-32 Pendant (or Access Tag) Disarm Chirp to Output

P52E 1-32E Area 1-32 Disarm Chirp to Output - Value 01-32 (for Outputs 1-32)
 (Default = All Off)

(Two chirps to the output for disarm)

Area 1-32 Pendant Stay (or Access Tag) Disarm Chirp to Output

P53E 1-32E Area 1-32 Stay Disarm Chirp to Output - Value 01-32 (for Outputs 1-32)
 (Default = All Off)

(Two chirps to the output for disarm)

Area 1-32 Arm Pulse to Output

P54E 1-32E Area 1-32 Arm Pulse to Output - Value 01-32 (for Outputs 1-32)
 (Default = All Off)

Area 1-32 Stay Arm Pulse to Output

P55E 1-32E Area 1-32 Stay Arm Pulse to Output - Value 01-32 (for Outputs 1-32)
 (Default = All Off)

Area 1-32 Disarm Pulse to Output

P56E 1-32E Area 1-32 Disarm Pulse to Output - Value 01-32 (for Outputs 1-32)
 (Default = All Off)

Area 1-32 Stay Disarm Pulse to Output

P57E 1-32E Area 1-32 Stay Disarm Pulse to Output - Value 01-32 (for Outputs 1-32)
 (Default = All Off)

Area 1-32 Armed Mode Exit Delay Beeps to Keypad

P58E 1-32E Area 1-32 Armed Exit Delay Beeps to Keypad - Value 01-32 (for Keypads 1-32)
 (Default, Area 1 = All On, Areas 2-32 = All Off)

Area 1-32 Stay Mode Exit Delay Beeps to Keypad

P59E 1-32E Area 1-32 Stay Exit Delay Beeps to Keypad - Value 01-32 (for Keypads 1-32)

(Default Area 1 = All On, Areas 2-32 = All Off)

Area 1-32 Armed Exit Delay Time

P60E 1-32E Area 1-32 Exit Delay Time - Value 0-255 seconds
(Default = 30 Seconds for all Areas)

Area 1-32 Stay Armed Exit Delay Time

P61E 1-32E Area 1-32 Stay Exit Delay Time - Value 0-255 seconds
(Default = 30 Seconds for all Areas)

Area 1-32 Monitoring Account Code Number

P62E 1-32E Area 1-32 Account Code - Value 0000-FFFF
(Default = 0000 for all Areas)

Area 1-32 Remote "Command Control" Code Number

P63E 1-32E Area 1-32 Command Control code - Value 1-4 digit code (1-9999)
(Default = No code for all Areas)

Start Message Number for Areas 1-32 "Command Control"

P64E 1-32E Reserved for future use.

Area 1-32 Armed Mode Exit Delay to Output

P65E 1-32E Area 1-32 Armed Exit Delay to Output - Value 01-32 (for Outputs 1-32)
(Default = All Off)

Area 1-32 Stay Mode Exit Delay to Output

P66E 1-32E Area 1-32 Stay Exit Delay to Output - Value 01-32 (for Outputs 1-32)
(Default = All Off)

Area 1-32 Delinquency Delay

P67E 1-32E Area 1-32 Delinquency Delay - value 0-99 Days, (0 = Off)
(Default = 0 for all Areas)

Area 1-32 Auto Arm/Disarm Time-zones

P68E 1-32E Area 1-32 Auto Arm/Disarm Time-zones - Value 01-32 (for Time-zones 1-32)
(Default = All Off)

Program LCD KP "Area" Name

P69E 1-32E Program LCD KP "Area" Name Text

Bulk COPY an Area to a range of Areas

P70E Template Area #E Start Area #E End Area #E Bulk COPY an Area to a range of AREAS

Area 1-32 Zone Activity Timer

P4071E 1-32E Area 1-32 Zone Activity Timer - Value 0-255 Minutes
(Default = 0)

Area 1-32 Arming Pre-alert Timer

P4072E 1-32E Area 1-32 Arming Pre-alert Timer - Value 0-255 Seconds
(Default = 0)

Area 1-32 Disarm Delay Timer

P4073E 1-32E Area 1-32 Disarm Delay Timer - Value 0-9999 Seconds
(Default = 0)

Area 1-32 "In Alarm" Disarm Delay Timer

P4074E 1-32E Area "In Alarm" Disarm Delay Timer - Value 0-9999 Seconds
(Default = 0)

+++++Keypads+++++

Keypad Area Assignment

P71E 1-32E Keypads Assigned To Areas 01-32 = Areas 1-32
(Default = 1,2)

Keypad Button Options

P72E 1-32E Keypad Button Options
(Default = All 1,2)

(NOTE: Options 5, 6 & 7 create a separate alarm for every area assigned to the keypad at P71E. To clear all alarms the User MUST have the same areas set at P3E)

- 1 = <CHIME> Button Enabled
- 2 = <BYPASS> Button Enabled
- 3 = Code or Tag can ARM only at this keypad
- 4 = Code or Tag can STAY ARM only at this keypad
- 5 = <CONTROL> + <CHIME> Panic Alarm Enabled
- 6 = <A> + Fire Alarm Enabled
- 7 = + <CHIME> Medical Alarm Enabled
- 8 = Stay Armed Beep to Keypad

Keypad Options C

P5070E 1-32E Keypad Options C
(Default = All 1,2)

- 1 = Enable Away Disarm at Keypad
- 2 = Enable Stay Disarm at Keypad

Alarm Beeps to Keypad

P73E	1-32E	Keypad Beep Options (Default = 5)	1 = Mains Fail Beeps Keypad Buzzer 2 = Fuse Failure Beeps Keypad Buzzer 3 = Battery Low Beeps Keypad Buzzer 4 = Telephone Line Failure Beeps Keypad Buzzer 5 = System Tamper Alarm Beeps Keypad Buzzer 6 = Receiver Fail Beeps Keypad Buzzer 7 = Turn Off Keypad LED's and Backlighting when Armed 8 = Turn Off LCD & Keypad & Backlighting on Mains Failure
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Keypad "ARM" Button Area Assignment

P74E	1-32E	Keypad "ARM" Button Area (Default = 1)	01-32 = "ARM" Button assigned to Area 1-32
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Keypad "ARM" Button Area Options

P75E	1-32E	Keypad "ARM" Button Opts. (Default = 1,7)	1 = "ARM" Button can Arm 2 = "ARM" Button can Stay Mode Arm 3 = "ARM" Button can Disarm at All Times 4 = "ARM" Button can Disarm Stay Mode at All Times 5 = "ARM" Button can Reset Alarms 6 = "ARM" Button can Arm Latchkey Mode 7 = "ARM" Button can Disarm During Exit Delay 8 = "ARM" Button can Disarm Stay Mode During Exit Delay
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Keypad "STAY" Button Area Assignment

P76E	1-32E	Keypad "STAY" Button Area (Default = 1)	01-32 = "STAY" Button assigned to Area 1-32
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Keypad "STAY" Button Area Options

P77E	1-32E	Keypad "STAY" Button Opts. (Default K/P 1,2,3,4,6,7,8 = 2,8) (Default K/P 5 = 2,4)	1 = "STAY" Button can Arm 2 = "STAY" Button can Stay Mode Arm 3 = "STAY" Button can Disarm at All Times 4 = "STAY" Button can Disarm Stay Mode at All Times 5 = "STAY" Button can Reset Alarms 6 = "STAY" Button can Arm Latchkey Mode 7 = "STAY" Button can Disarm During Exit Delay 8 = "STAY" Button can Disarm Stay Mode During Exit Delay
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Keypad "A" Button Area Assignment

P78E	1-32E	Keypad "A" Button Area (Default = 1)	01-32 = "A" Button assigned to Area 1-32
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Keypad "A" Button Area Options

P79E	1-32E	Keypad "A" Button Opts. (Default = 1,7)	1 = "A" Button can Arm 2 = "A" Button can Stay Mode Arm 3 = "A" Button can Disarm at All Times 4 = "A" Button can Disarm Stay Mode at All Times 5 = "A" Button can Reset Alarms 6 = "A" Button can Arm Latchkey Mode 7 = "A" Button can Disarm During Exit Delay 8 = "A" Button can Disarm Stay Mode During Exit Delay
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Keypad "B" Button Area Assignment

P80E	1-32E	Keypad "B" Button Area (Default = 2)	01-32 = "B" Button assigned to Area 1-32
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Keypad "B" Button Area Options

P81E	1-32E	Keypad "B" Button Opts. (Default = All Off)	1 = "B" Button can Arm 2 = "B" Button can Stay Mode Arm 3 = "B" Button can Disarm at All Times 4 = "B" Button can Disarm Stay Mode at All Times 5 = "B" Button can Reset Alarms 6 = "B" Button can Arm Latchkey Mode 7 = "B" Button can Disarm During Exit Delay 8 = "B" Button can Disarm Stay Mode During Exit Delay
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Keypad to Output Mask (for Access Control)

P82E	1-32E	Keypad to Output Mask (Default = All Off)	01-32 = The Keypad is linked to Output # 1-32
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"Control" Button to Output Mask (for Access Control)

P83E	1-32E	Keypad "Control" Button to Output Mask (Default = All Off)	01-32 = The Keypad "Control" Button is linked to Output # 1-32
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"Control"+"Chime" Panic Alarm to Outputs

P84E	1-32E	Keypad "Control"+"Chime" Panic Alarm to Outputs (Default = 1,2)	01-32 = The Keypad "Control"+"Chime" Panic Alarm will turn on Output # 1-32
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“A”+”B” Fire Alarm to Outputs

P85E 1-32E Keypad “A”+”B” Fire Alarm to Outputs
(Default = 1,2) 01-32 = The Keypad “A”+”B” Fire Alarm will turn on Output # 1-32

“B”+”Chime” Medical Alarm to Outputs

P86E 1-32E Keypad “B”+”Chime” Medical Alarm to Outputs
(Default = 1,2) 01-32 = The Keypad “B”+”Chime” Medical Alarm will turn on Output # 1-32

“Duress” Alarm to Outputs

P87E 1-32E Keypad “Duress” Alarm to Outputs
(Default = All Off) 01-32 = The Keypad “Duress” Alarm will turn on Output # 1-32

Keypad “Tamper Switch” Alarm to Outputs

P88E 1-32E Keypad “Tamper Switch” Alarm to Outputs
(Default = All Off) 01-32 = The Keypad “Tamper Switch” Alarm will turn on Output # 1-32

Keypad “Wrong Code” Alarm to Outputs

P89E 1-32E Keypad “Wrong Code” Alarm to Outputs
(Default = All Off) 01-32 = The Keypad “Wrong Code” Alarm will turn on Output # 1-32

Manually Operated Panic Alarm Beeps to Keypads

P90E 1-32E Panic Alarm Beeps to Keypads
(Default = All On) 01-32 = A Panic Alarm at the selected keypad will Beep KP # 1-32

Manually Operated Fire Alarm Beeps to Keypads

P91E 1-32E Fire Alarm Beeps to Keypads
(Default = All On) 01-32 = A Fire Alarm at the selected keypad will Beep KP # 1-32

Manually Operated Medical Alarm Beeps to Keypads

P92E 1-32E Medical Alarm Beeps to Keypads
(Default = All On) 01-32 = A Medical Alarm at the selected keypad will Beep KP # 1-32

Wrong Code or Keypad Tamper Switch Alarm Beeps to Keypads

P93E 1-32E Wrong Code or Keypad Tamper Switch Alarm Beeps to Keypads
(Default = All On) 01-32 = Wrong Code or KP Tamper at Keypad 1-32 will Beep KP # 1-32

Chime Alarm Beep Time at a Keypad

P94E 1-32E The Time the Chime Alarm will sound at Each Keypad - Value =0-255 1/10th sec
(Default = 20 which is 2 Seconds)

LCD Keypad Back-light settings

P95E 1-32E LCD Keypad Back-light Setting 0-100 = LCD B/L value 0-100%

Full LCD Keypad Display Options

P96E 1-32E Full LCD Keypad Display Options
(Default = All Off)

- 1 = 2 x 20 Display Mode (On=AAP Logo Display)
- 2 = Spare
- 3 = Show LCD System name (ON=Show KP Name, 1 =OFF)
- 4 = Display Armed Areas as numbers
- 5 = Spare
- 6 = Allow CONTROL of Outputs when Armed
- 7 = Double badge to ARM keypad
- 8 = Control button operates assigned outputs directly

Bulk COPY a Keypad to a range of Keypads

P97E Template KP #E Start KP #E End KP #E Bulk COPY a Keypad to a range of KEYPADS

Proximity Reader LED to Output Mapping

P98E 1-32E Proximity Reader LED to Output Mapping
(Default = None) 01-32 = Proximity Reader 1-32 LED will follow the state of Output # 1-32

Program LCD KP “Keypad” Name

P100E 1-32E Program LCD KP “Keypad” Name Text

++++++ZONES++++++

Bulk COPY a Zone to a range of Zones

P118E Template Zone #E Start Zone #E End Zone #E Bulk COPY a Zone to a range of ZONES

Global EOL Zone Options

P119E 1E Global EOL Zone Options 0 = If set to 0 allows P125E to set individual values from 1-13
(Default = 3)

- 1 = 1k
- 2 = 1k5
- 3 = 2k2
- 4 = 3k3
- 5 = 3k9
- 6 = 4k7
- 7 = 5k6

8 = 6k8
 9 = 10k
 10 = 12k
 11 = 22k
 12 = 2k2 / 4k7 (Single Zone with tamper, Series combination)
 13 = 3k3 / 6k8 (Single Zone with tamper, Series combination)
 14 = 2k2 / 4k7 / 8k2 (Zone doubling with tamper, Series combination)
 15 = 4k7 / 8k2 (Zone doubling no tamper, Series combination)
 16 = 4k7 / 8k2 (Zone doubling no tamper, Parallel combination)

Zone Key-switch Operational Options

P120E 1-64E Zone Key-switch Operational Options
 (Default = All Off)

- 1 = K/S can Arm Area
- 2 = K/S can arm Stay Mode
- 3 = K/S can Disarm Area
- 4 = K/S can disarm Stay Mode
- 5 = K/S has Security Guard Options
- 6 = K/S will Arm Latchkey Mode
- 7 = Key-switch is N/O (If turned off the K/S is N/C)
- 8 = Key-switch is Momentary (If turned off the K/S is Latching)

Programming Zones to Areas

P121E 1-64E Assigning Zones to Areas 1-32
 (Default = 1)

01-32 = Assigned to Area 1-32

Programming Zone Options A

P122E 1-64E Programming Zone Options A
 (Default Zone 1-4 = 1,6,7,8)
 (Default Zone 5-8 = 1,7,8)
 (Default Zone 9-16 = 7,8)

- 1 = Zone is Active
- 2 = Zone is N/O (Off = N/C)
- 3 = Not an Exit Delay Zone
- 4 = Keypad Zone
- 5 = Zone is a Radio Zone
- 6 = Zone is a Stay Mode Zone
- 7 = Zone can be Manually Bypassed
- 8 = Zone can be Auto-Bypassed

Programming Zone Options B

P123E 1-64E Programming Zone Options B
 (Default = All Off)

- 1 = Zone is a Handover Zone
- 2 = Zone is a Two Trigger Zone
- 3 = Zone is a 24 Hour Zone
- 4 = Auto-reset Zone
- 5 = Zone is a 24 Hour Fire Zone
- 6 = Zone is shared (Off = not shared)
- 7 = Zone is a Chime Zone
- 8 = Zone is a Permanent Chime Zone

Programming Zone Options C

P124E 1-64E Programming Zone Options C
 (Default = 2)

- 1 = Can Arm if Zone is not Ready
- 2 = Will Send Multiple Reports via Dialler
- 3 = Sensor-Watch Zone
- 4 = Zone is on Soak Test
- 5 = Report using the highest assigned Area
- 6 = Zone will Not Report 24 hour Alarms via Dialler
- 7 = Pulse Output on Kiss-off Following an alarm
- 8 = Exit Terminator

Programming Zone Options D

P6133E 1-64E Programming Zone Options D
 (Default = All Off)

- 1 = Zone is Excluded from Activity monitoring
- 2 = Zone will hold off Arming until Sealed
- 3 = "Security Interlock" zone

Programming Zone EOL (End-of-line) Options

P125E 1-64E Programming Zone EOL Options
 (Default = 3)
 (NOTE: P119E MUST be set to 0 for P125E to work)

- 0 = Short Circuit
- 1 = 1k
- 2 = 1k5
- 3 = 2k2
- 4 = 3k3
- 5 = 3k9
- 6 = 4k7
- 7 = 5k6
- 8 = 6k8
- 9 = 10k
- 10 = 12k
- 11 = 22k
- 12 = 2k2 / 4k7 (Single Zone with tamper)
- 13 = 3k3 / 6k8 (Single Zone with tamper)

Programming Zone Response

P126E 1-64E Programming Zone Response
 (Default = 9)

- 1 to 8 Vibration mode
 (Zone EOL-P125E, for Vibration Mode MUST be type 3 only)
- 1 = highest and 8 is lowest sensitivity level.

9 to 26 Normal zone mode
Response time = approx 200ms –1sec

Programming the Radio Zone Detector Type

P127E	1-64E	Programming the Radio Zone Type from the List - Value = 1-35 (Default = 4)	0 = Generic 1 = Crow Merlin PIR (supervised signal ignored) 2 = Crow Merlin PIR (supervised signal active) 3 = Freewave with checksum (supervised signal active) 4 = Freewave with checksum (non-supervised) 5 = Crow AE Series Battery low 6 = Crow AE Radio Reed Switch 11 = Ness Devices battery Low 12 = Ness Radio Reed Switch 31 = Visonic K900 Radio PIR 32 = Visonic Powercode (supervised signal ignored) 33 = Visonic Powercode (supervised signal active) 34 = Siemens (supervised signal ignored) 35 = Siemens (supervised signal active)
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Armed Zone Alarms to Outputs

P128E	1-64E	Armed Zone Alarms to Output (Default = 1,2)	01-32 = A Zone Alarm will Turn On Output # 1-32
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Armed Stay Mode Zone Alarms to Outputs

P129E	1-64E	Armed Stay Mode Zone Alarms to Output (Default = 2)	01-32 = A Stay Mode Zone Alarm will Turn On Output # 1-32
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24 Hour Zone Alarms to Outputs

P130E	1-64E	24 Hour Zone Alarms to Output (Default = All Off)	01-32 = A 24 Hour Zone Alarm will Turn On Output # 1-32
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Chime Zone Alarms to Outputs

P131E	1-64E	Chime Zone Alarms to Output (Default = All Off)	01-32 = A Chime Zone Alarm will Turn On Output # 1-32
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Zone Tamper Alarms to Outputs

P132E	1-64E	Zone Tamper Alarms to Output (Default = 1,2)	01-32 = A Zone Tamper Alarm will Turn On Output # 1-32
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Programming Zone Options D

P6133E	1-64E	Programming Zone Options D (Default = All Off)	1 = Zone is Excluded from Activity monitoring 2 = Zone will hold off Arming until Sealed 3 = "Security Interlock" zone
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Armed Zone Alarm Beeps to Keypads

P134E	1-64E	Armed Zone Alarm Beeps to Keypads (Default = All On)	01-32 = An Armed Zone Alarm will Beep Keypad #1-32
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Stay Mode Zone Alarm Beeps to Keypads

P135E	1-64E	Stay Mode Zone Alarm Beeps to Keypads (Default = All On)	01-32 = A Stay Mode Zone Alarm will Beep Keypad #1-32
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24 Hour Zone Alarm Beeps to Keypads

P136E	1-64E	24 Hour Zone Alarm Beeps to Keypads (Default = All On)	01-32 = A 24 Hour Zone Alarm will Beep Keypad #1-32
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Chime Zone Alarm Beeps to Keypads

P137E	1-64E	Chime Zone Alarm Beeps to Keypads (Default = All Off)	01-32 = A Chime Zone Alarm will Beep Keypad #1-32
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Zone Tamper Alarm Beeps to Keypads

P139E	1-64E	Zone Tamper Alarm Beeps to Keypads (Default = All On)	01-32 = A Zone Tamper Alarm will Beep Keypad #1-32
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Radio Supervise Alarm Beeps to Keypads

P140E	1-64E	Radio Supervise Alarm Beeps to Keypads (Default = All Off)	01-32 = A Radio Supervise Alarm will Beep Keypad #1-32
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Zone Sensor-watch Alarm Beeps to Keypads

P141E	1-64E	Zone Sensor-watch Alarm Beeps to Keypads (Default = All Off)	01-32 = A Zone Sensor-watch Alarm will Beep Keypad #1-32
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Armed Zone Entry Delay Beeps to Keypads

P142E	1-64E	Armed Zone Entry Delay Beeps to Keypads (Default = 1)	01-32 = Armed Zone Entry Delay will Beep Keypad #1-32
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Stay Mode Entry Delay Beeps to Keypads

P143E 1-64E Stay Mode Entry Delay Beeps to Keypads
(Default = 1) 01-32 = Stay Mode Entry Delay will BEEP Keypad #1-32

Armed Zone Entry Delay Times

P144E 1-64E Armed Zone Entry Delay Times - Value 0-9999 seconds
(Default Zone # 1 = 20 Seconds, Zones # 2-64 = 0)

Stay Mode Entry Delay Times

P145E 1-64E Stay Mode Entry Delay Times - Value 0-9999 seconds
(Default Zones # 1-4 = 20 Seconds, Zones # 5-64 = 0)

Zone Re-trigger Count

P146E 1-64E Zone Re-Trigger Count - Value 0-15 (Maximum number of times a zone can re-trigger during armed state. 0=Unlimited Triggers)
(Default = 0)

Zone Reports using this Area

P147E 1-64E Zone Reports using this Area - Value 0-32

Zone Alarm Contact ID Reporting Codes

P157E 1-64E Zone Alarm Contact ID Reporting Code - (Default = 130)

Zone Near Alarm Contact ID Reporting Codes

P158E 1-64E Zone Near Alarm Contact ID Reporting Code - (Default = 138)

Zone Intrusion Verified Alarm Contact ID Reporting Codes

P159E 1-64E Zone Intrusion Verified Alarm Contact ID Reporting Code - (Default = 139)

Zone Alarm Voice Message Number

P160E 1-64E Zone Alarm Voice Message Number - Value 0-99 (Default = 1)

Away Zone Entry Delay to Outputs

P161E 1-64E Away Zone Entry Delay to Outputs
(Default = All Off) 01-32 = Armed Zone Entry Delay to output #1-32

Stay Mode Entry Delay to Outputs

P162E 1-64E Stay Mode Entry Delay Beeps to Outputs
(Default = All Off) 01-32 = Stay Mode Entry Delay to output #1-32

Sensor-Watch Timer

P163E 1-64E Sensor-Watch Timer - 0-9999 Minutes (Default = 7200 minutes [120 Hours])

Enrolling Radio Zone Codes

P164E 1-64E Learn Radio Zone Codes

Delete a Specific Radio Zone Code

P165E 1-64E Delete a Specific Radio Zone Code

Find Radio Zone memory Location

P166E This will find the zone # of any Radio Zone code stored in the panel
.After P166E press enter to start the find process

Zone Near Alarm to Outputs

P167E 1-64E Zone Near Alarm to Outputs
(Default = All Off) 01-32 = Zone Near Alarm to output #1-32

Zone Confirmed Alarm to Outputs

P168E 1-64E Zone Confirmed Alarm to Outputs
(Default = All Off) 01-32 = Zone Confirmed Alarm to output #1-32

Program LCD KP "Zone" Name

P169E 1-64E Program LCD KP "Zone" Name Text

Access Control Door Monitor Linked to Output

P6174E 1-64E Access Control Door Monitor Linked to Output
(Default = All 0) 01-32 = Output #1-32 (0 = Disabled)

Access Control Options

P6175E 1-64E Access Control Options
(Default = 0)

- 0 = Disabled, no access monitor options
- 1 = Access Door Monitoring
- 2 = Access Door REX button
- 3 = Egress button - hold door open
- 4 = Global Fire Egress - hold all Access doors open
- 5 = Global Egress - hold all Egress doors open

Access Control Options B

P6176E 1-64E Access Control Options B
(Default = None)

- 1 = Report access violation as output # not zone #
- 2 = Hide this zone on the web status page
- 3 = Zone restore auto-resets Egress outputs

Access Door Open Too Long Beeps to Keypads

P6177E 1-64E Access Door Open Too Long Beeps to Keypads
(Default = All Off)

01-32 = An Access Door left Open too long will Beep Keypad #1-32

Access Door Forced Open Beeps to Keypads

P6178E 1-64E Access Door Forced Open Beeps to Keypads
(Default = All Off)

01-32 = An Access Door forced Open twill Beep Keypad #1-32

Access Door Open Too Long to Outputs

P6179E 1-64E Access Door Open Too Long to Outputs
(Default = All Off)

01-32 = An Access Door left Open too long will trigger Output #1-32

Access Door Forced Open to Outputs

P6180E 1-64E Access Door Forced Open to Outputs
(Default = All Off)

01-32 = An Access Door forced Open twill trigger Output #1-32

++++++Time Zones++++++

Programming Holidays

P170E 1-32E Holidays 1-32 Days - Value = DDMMYY

Programming Time Zone Days

P171E 1-32E Time Zones 1-32 Days
(Default = All Off)

- 1 = Sunday
- 2 = Monday
- 3 = Tuesday
- 4 = Wednesday
- 5 = Thursday
- 6 = Friday
- 7 = Saturday
- 8 = Invert

Programming Time Zone Start & End Times

P172E 1-32E Time Zones 1-32 Start Time - Value 0000-2359 (Default = 0000)

P173E 1-32E Time Zones 1-32 End Time - Value 0000-2359 (Default = 0000)

Time Zone Options

P174E 1-32E Time Zone 1-32 Options
(Default = All Off)

- 1 = Ignore Holidays
- 2 = Dormant Time Zone (see P1032E)

++++++Dialler++++++

Dialler Programming Options

P175E 1E Dialler options
(Default = None)

- 1 = Dialler is Enabled
- 2 = Fax Defeat
- 3 = Disable Telephone Line Monitoring
- 4 = DTMF or Pulse Dial (**For DTMF, 4&5 must both be OFF**)
- 5 = DTMF or Reverse Pulse Dial (**For DTMF, 4&5 must both be OFF**)
- 6 = Send long DTMF tones during dialing
- 7 = Spare
- 8 = Spare

Dialler Programming Options 2

P175E 2E Dialler options 2
(Default = 1)

- 1 = Step number on each call
- 2 = Spare
- 3 = Spare
- 4 = Test calls only if armed
- 5 = Test Time Period is in days
- 6 = Hold line open following Domestic/Voice report for DTMF control
- 7 = Ring Timeout (Off = 3 secs, On = 6.5 secs).
- 8 = Answer After 1 ring for Listen-in Mode

Auto-Answer Ring Count

P175E 3E Auto-Answer Ring Count - Value 0-99 (Default = 25)

Test Call Start Time

P175E 4E Test Call Start Time - Value 0000-2359 (Default = 2300)

Test Call Time Period

P175E 5E Test Time Call Period - Value 0-255 Hours: 0 = No Test (Default = 24)

Keypad Listen-in Options

P175E 6E Keypad Listen-in Options
(Default = 1,2,3,4,5,6,7)

- 1 = Enabled During Dialling in Disarm State only
- 2 = Enabled During Dialling in Armed State only
- 3 = Enabled During Dialling in Stay Mode State only
- 4 = Enabled Throughout the call in Disarm State only
- 5 = Enabled Throughout the call in Armed State only
- 6 = Enabled Throughout the call in Stay Mode State only
- 7 = Listen-in Enabled when the panel answers a call
- 8 = Enabled at All Times

Dialler Fail Line Switch Output

P175E 7E Dialler Fail Line Switch Output - Value = Output number 1 –32

Dialling Pre-fix Number

P175E 8E Dialling Pre-fix Number - Value 1-16 Digits (Default = 0)

“Panic” Alarm Contact ID Reporting Code

P175E 9E “Panic” Alarm CID Reporting Code - (Default=120)

“Fire” Alarm Contact ID Reporting Code

P175E 10E “Fire” Alarm CID Reporting Code - (Default=110)

“Medical” Alarm Contact ID Reporting Code

P175E 11E “Medical” Alarm CID Reporting Code - (Default=100)

Output “Command Control” Code Number

P175E 12E Output Command Control code - Value 1-4 digit code (1-9999) (Default = 0)

Microphone On/Off “Command Control” Code Number

P175E 13E Reserved for future use.

Dialler Acknowledge Code

P175E 14E Voice/Domestic Acknowledge Code - Value 1-4 digit code (1-9999) (Default = 0)

Force Test Call Code

P175E 15E Force Test Call Code - Value 1-4 digit code (1-9999) (Default = 0, Feature disabled)

Programming Voice Board Messages

P176E 1E Keypad or Radio “Panic” Alarm Voice Message Number - Value 0-99 (Default = 0)
P176E 2E “Fire” Alarm Voice Message Number - Value 0-99 (Default = 0)
P176E 3E “Medical” Alarm Voice Message Number - Value 0-99 (Default = 0)
P176E 4E “Mains Failure” Voice Message Number - Value 0-99 (Default = 0)
P176E 5E “Mains Restore” Voice Message Number - Value 0-99 (Default = 0)
P176E 6E “Battery Low” Voice Message Number - Value 0-99 (Default = 0)
P176E 7E “Battery Restored” Voice Message Number - Value 0-99 (Default = 0)
P176E 8E “Tamper” (Zone/Radio/System) Voice Message Number - Value 0-99 (Default = 0)
P176E 9E “Duress Alarm” Voice Message Number - Value 0-99 (Default = 0)
P176E 10E “Latchkey Disarm” Voice Message Number - Value 0-99 (Default = 0)
P176E 11E “Manual Test Initiated” Voice Message Number - Value 0-99 (Default = 0)

+++++Telephone Numbers+++++

Programming Telephone Numbers

P181E 1-8E Programming Telephone Numbers - Value 1-16 Digits (Default = 0)

Telephone Number Reporting Formats

P182E 1-8E Telephone Number Reporting Formats
(Default = 1)

- 1 = Contact ID
- 2 = Domestic Dial
- 3 = Pager
- 4 = Speech Dialler
- 5 = CSV IP Extended (sends 4 digit zone/user field)
- 6 = Patriot IP
- 7 = XML IP
- 8 = CSV IP Normal
- 9 = Spare
- 10 = SIA Format
- 11 = SIA Slow Format

Telephone Number Reporting Options

P183E	1-8E	Telephone Number Reporting Options (Default = 1,2)	1 = Stop Dialling if Kissed off 2 = Monitor Call Progress 3 = Blind Dial 4 = Use Group Numbers for Contact ID Reporting 5 = Stay On-line after Alarm report for Audio Listen-in 6 = Spare 7 = Use the Dialling Pre-fix 8 = Spare
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Maximum Dial Attempts per Telephone Number

P184E	1-8E	Maximum Dial Attempts per Telephone Number - Value 0-99 (Default = 20)
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Dialler Reporting Options A

P186E	1-8E	Dialler Options A (Default = All On)	1 = Report Mains Failure 2 = Report Battery low 3 = Report Radio Battery Low 4 = Report Line Fail 5 = Report System Tamper 6 = Report Keypad Tamper 7 = Report Zone Tamper 8 = Report Radio Zone Tamper
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Dialler Reporting Options B

P187E	1-8E	Dialler Options B (Default = All On)	1 = Report Duress Alarm 2 = Report Supervised Radio Alarm 3 = Report Zone Sensor-watch Alarm 4 = Report Manual Panic Alarm 5 = Report Manual Fire Alarm 6 = Report Manual Medical Alarm 7 = Report Radio Pendant Panic Alarm 8 = Report Zone Bypasses
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Dialler Reporting Options C

P188E	1-8E	Dialler Options C (Default = 1,6,8)	1 = Report Arm/Disarm 2 = Report Stay Mode Arm/Disarm 3 = Report Disarm only after an Activation 4 = Report Stay Mode Disarm only after an Activation 5 = Report Stay Mode Zone Alarms 6 = Report Access to Program Mode 7 = Report 24 Hour Alarms when set to Domestic/Voice mode 8 = Report Zone Restores
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Dialler Reporting Options D

P189E	1-8E	Dialler Options D (Default = 3,4,5)	1 = Report Latchkey Disarm 2 = Report Delinquent 3 = Report Tests 4 = Report Fuse Failure 5 = Report Output 1 or 2 Fail 6 = Report RTC Time changed 7 = Report Keypad Buss Trouble 8 = Report RF Interference (Jamming) Detected
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++++SIA Alarm Report Codes++++

(SIA event codes are entered by programming a value from the chart on Page 23. For example, to send the SIA "Panic Alarm" code when a keypad panic is generated you must enter a value of "6" at location P197E1E)

Zone Alarm SIA Reporting Codes

P196E	1-64E	Zone Alarm SIA Reporting Code - (Default value = 1, Alarm Event Code BA)
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"Panic" Alarm SIA Reporting Code

P197E	1E	"Panic" Alarm SIA Reporting Code - (Default value = 6, Panic Alarm Event Code PA)
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"Fire" Alarm SIA Reporting Code

P197E	2E	"Fire" Alarm SIA Reporting Code - (Default value = 4, Fire Alarm Event Code FA)
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"Medical" Alarm SIA Reporting Code

P197E	3E	"Medical" Alarm SIA Reporting Code - (Default value = 5, Medical Alarm Event Code MA)
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+++++Panel Diagnostic & Default Options+++++

		Display Panel Software Version Number
P200E 1E	Display the Panel Software Version Number	
		Display Keypad Address Number
P200E 2E	Display Keypad Address Number	
		Display Areas Assigned to this Keypad
P200E 3E	Display Areas Assigned to this Keypad	
		Display Active Time Zones
P200E 4E	Display Active Time Zones	
		Display Battery Voltage
P200E 5E	Display Battery Voltage	
		Walk Test Mode
P200E 6E	Walk Test Mode	
		Update "Firmware" to LCD KP, Zone and Output Expanders
P200E 7E	Update "Firmware" to LCD KP, Zone and Output Expanders	
		Update "Text Files" to LCD Keypads
P200E 8E	Update "text Files" to LCD Keypads	
		Restore User & Installer Codes plus Telephone Numbers to Defaults
P200E 9E	Restore User/Installer Codes & Telephone #'s to Default Values	
		Restore All Factory Defaults
P200E 10E	Restore All Factory Defaults (excludes LCD text)	
		Clear Alarm Memory Buffer
P200E 11E	Clear Alarm Memory Buffer	
		Default ALL LCD text
P200E 12E	Default ALL LCD text.	
		Read RSSI from Pendants and Wireless Zones
P200E 14E	Read RSSI from Pendants and Wireless Zones	

+++++IP Alarm Setup+++++

		Panel IP Address
P201E 1E	Control Panel IP Address (Can also be viewed by pressing the number "9" for 5 seconds in normal mode)	
		IP Gateway Address
P201E 2E	IP Gateway Address (Default = 000.000.000.000)	
		IP Subnet Mask
P201E 3E	IP Subnet Mask (Default = 255.255.255.000)	
		IP Setup Options
P201E 4E	IP Setup Options (Default = All Off) 1 = DHCP/Manual Panel IP address (Off= Automatic DHCP) 2 = Enable Ethernet Test 3 = Sync Panel to Internet Clock 4 = Enable Serial over IP Communications 5 = Spare 6 = Spare 7 = Spare 8 = Spare	
		Show Panel MAC Address
P201E 5E	Show Panel MAC Address (Can also be viewed by pressing the number "8" for 5 seconds in normal mode)	
		CSV IP Name
P201E 6E	CSV IP Name	
		CSV IP Password
P201E 7E	CSV IP Password	

P201E	8E	Alternative (Secondary) Gateway (Default = 000.000.000.000)	Alternative Gateway
P201E	9E	DNS 1 (Default: 8.8.8.8)	Primary DNS Server
P201E	10E	DNS 2 (Default: 8.8.4.4)	Secondary DNS Server
P201E	11E	NTP 1 (Default: 0.nz.pool.ntp.org)	Primary Time Server
P201E	12E	NTP 2 (Default: 1.nz.pool.ntp.org)	Secondary Time Server
P201E	13E	Serial over IP Port (Default: 9000)	Serial over IP Port
P202E	1-8E	IP Reporting Poll Timer (0-9999 minutes)	IP Reporting Poll Timer
P203E	1-8E	Monitoring IP Reporting Number/URL (000.000.000.000)	Monitoring IP Reporting Number/URL
P204E	1-8E	IP Reporting Port Number	IP Reporting Port Number
P205E	1-8E	IP Reporting Poll Event Code	IP Reporting Port Number

Contact ID Reporting Code Summary

In addition to the programmable Contact ID Event Code assignments defined at P157E, P158E, P159E, P175E (9E-11E) there are a number of fixed event codes. The programmable and fixed event codes are all listed in the table below. Associated with the fixed and programmable event codes, there are a number of extension codes, that are also listed below. The list of extension codes is for your reference only and can not be changed in programming. For "Users" Above 998 the panel will report all as user 998 (eg users 998-2000 will all be reported as 998).

Event Type	Event Code	Extension	Comment
System Tamper	137	000	Panel & Sat Tamper etc
Zone Alarm (wired or wireless)	130	001 to 064	Alarm on Zone 1-64
Zone Tamper - Low (short circuit)	383	001 to 064	Zone Input 1-64 short circuit
Zone Tamper - High (open circuit)	383	009 to 064	Zone Input 1-32 open circuit
Zone Tamper - Radio Zone	383	001 to 064	Radio Zone 1-64
Zone Near Alarm	138	001 to 064	Zone Input 1-64
Zone Confirmed Alarm	139	001 to 064	Zone Input 1-64
Radio PIR / Reed Switch Battery Low	384	001 to 064	Radio Zone 1-64
Radio PIR Supervised Alarm	381	001 to 064	Supervised Radio Zone 1-64
Sensor-watch Alarm	391	001 to 064	Zone 1-64
Zone Excludes	570	001 to 064	Exclude Zone 1-64
Keypad Panic (CONTROL+CHIME)	120	001 to 032	Panic at keypad #1-32
Radio-Key Panic	120	101 to 998	Panic by Radio User # 101-2000
Keypad Fire (A+B)	110	001 to 032	Fire Alarm at keypad #1-32
Keypad Medical (B+CHIME)	100	001 to 032	Medical Alarm at keypad #1-32
Keypad Tamper Switch Alarm	137	001 to 032	Keypad 1-32 Tamper Switch Activated
Wrong Code Alarm	461	001 to 032	4 Incorrect code entries at KP # 1-32
Arm/Disarm by "ARM key (Quick Arm)	408	000	Arm/Disarm by single button
Arm/Disarm by user code	401	001 to 998	Arm/Disarm by User #1-2000
Arm/Disarm by Radio-key	400	101 to 998	Arm/Disarm by Radio User #101-2000
Arm/Disarm by Key-switch	409	001 to 064	Zone Key-switch # 1-64 Arm/Disarm
Arm/Disarm by DTMF or Up/Download	407	000	Remote Arm/Disarm
Arm by "Security Interlock" Zone	407	001 to 064	Arm by "Security Interlock" zone # 1-64
Arm/Disarm by Time-Zone	403	000	Time-Zone Arm/Disarm
Latchkey Disarm	642	001 to 998	Latchkey User Disarm
Fail to Arm on Time-Zone	455	000	Auto Arm fail
Delinquency Alarm	454	000	System not Armed within # days
Stay Mode Arm/Disarm (part set)	441	000	Arm by "Stay" Button
Stay Mode Arm/Disarm (part set)	441	001 to 998	Stay Mode Arm by User # 1-2000
Stay Mode Arm/Disarm by Key-switch	442	000 to 064	Stay Mode Arm by Zone Key-switch # 1-64
AC Fail	301	000	Mains (AC) fail
Zone Expander AC Fail	301	001-007	AC Fail on Zone exp. 1-7
Output Expander AC Fail	301	101-108	AC Fail on Output exp. 1-8
Wiegand Interface AC Fail	301	201-232	AC Fail on Wiegand IF 1-32
System Battery Low	302	000	Control Panel Battery low
Zone Expander Battery Low	302	001-007	Battery Low on Zone exp. 1-7
Output Expander Battery Low	302	101-108	Battery Low on Output exp. 1-8
Wiegand Interface Battery Low	302	201-232	Battery Low on Wiegand IF 1-32
Checksum Fail (Corrupt EEPROM Data)	303	001-008	Checksum block error
Fuse Fail	312	000	Fuse 1 or 2 Fail
Radio-key Battery Low	384	101 to 998	Radio-key User #101-2000 low batt.
Radio-PIR / Reed Switch Battery Low	384	001 to 064	Radio Zone 1-64
Automatic TEST Calls	602	000	24 hour test
Manual TEST Calls	601	000	User generated Test Call
Phone Line Failure	351	000	Reported when line is restored
IP Communication Failure	351	002	Reported when IP Comms restore
Duress Alarm	121	001 to 032	Duress at Keypad #1-32
Program Mode Entry	627	000	Program Mode entered
Program Mode Exit	628	000	Program Mode exited
Zone Expander Tamper Alarm	145	001-007	Zone expander board Tamper Alarm
Output Expander Tamper Alarm	341	001-008	Output expander board Tamper Alarm
Wiegand IF-2 Tamper Alarm	137	001-032	Wiegand IF-2 board Tamper Alarm
Zone Expander Module Fail	333	001-007	Zone exp. 1-7 Fail
Output Expander Module Fail	333	101-108	Output exp. 1-8 Fail
Wiegand Interface Module Fail	333	201-232	Wiegand IF 1-32 fail

Output 1 or 2 Tamper	323	001 or 002	O/P 1 or 2 wires cut.
Time & Date Changed	625	000	Time & Date has been changed
Keypad Bus Trouble	330	001 to 032	Keypad device 1-32 offline
System Reset	305	000	Panel has rebooted
RF Receiver jam detected	344	000	RF Jamming Detected
Dialler Failure	354	000	Failure to get kiss off
IP Failure	356	000	Failure to send IP Poll
Access Door Forced Alarm	423	001 to 032	The access door has been forced open
Access Door left open too long Alarm	426	001 to 032	The access door has been left open.
Access Door opened by Fire alarm input	125	001 to 064	Free Egress granted during a Fire Alarm

SIA Reporting Code Summary

Most of the SIA Event Codes are fixed within the panel but some locations such as zones at P196E (1-64E) and Panic/Fire/Medical at P197E (1-3E) can have a user defined report code from the table below. To follow are the default SIA reporting codes.

Unlike CID, users 1-2000 will be reported as 1-2000 in SIA format.

Event Type	SIA Alarm Code	SIA Restore Code
Armed, 24 hour & Near Zone Alarms (<u>programmable P196E</u>)	BA	BH
Zone Verified Alarm Activated	BV	BH
Zone Bypassed	BB	BU
Zone Tamper Activated	BT	BJ
Sensor-Watch Fail	NA	NS
Radio Zone Supervise Fail	BZ	BR
Pendant or Radio Zone Low Battery	XT	XR
Keypad or Pendant Panic Alarm (<u>programmable P197E1E</u>)	PA	PH
Keypad Fire Alarm (<u>programmable P197E2E</u>)	FA	FH
Medical Alarm (<u>programmable P197E3E</u>)	MA	MH
Duress Alarm	HA	HH
Panel, Keypad or Wiegand IF-2 Tamper Switch Activated	TA	TR
Zone Expander Tamper Activated	ES	EJ
Output Expander Tamper Activated	TT	TJ
Zone, Output or Wiegand IF-2 fail	EM	EN
Battery Low (see CID for extension numbers)	YT	YR
AC Fail (see CID for extension numbers)	AT	AR
Output Tamper Alarm (O/P 1 & 2 only)	YA	YH
12V Output (fuse) Failure	YP	YQ
Phone Line Fail	LT	LR
Automatic Test Message	RP	
Manual Test Call	RX	
Area Delinquency Alarm	CD	CT
Excessive Code Attempts Alarm	JA	JP
Armed by User, Pendant, ARM button, DTMF or PC	CL	OP
Area Armed by Key-Switch	CS	OS
Area Armed by Time Zone	CA	OA
Stay Mode Armed by User, Pendant, KS, STAY Button	CG	OG
Fail to Arm by Time-Zone	CI	
Program Mode Entry/Exit	LB	LX
Checksum Fail (Corrupt EEPROM Data)	YF	
Time Changed	JT	
Keypad Bus Trouble	IA	IR
Dialler Failure (No Kiss off)	YC	
RF Interference (jamming) Detected	XQ	XH
IP Poll Failure	NT	NR
Access Door Forced Alarm	DF	DR
Access Door Left Open too Long	DN	DH
Egress Door Opened by Pushbutton or Fire alarm	DG	DY

When you program one of the numbers in column 2 below at any of the addresses at P196E or P197E then all of the SIA codes associated with that event type will automatically be loaded, eg if Zone 10 (P196E10E) was programmed with a “4”, then when zone 10 activates it will send the fire alarm (FA) and the fire alarm restore (FH) and if zone 10 was bypassed it will send the fire bypass (FB) and the fire un-bypass (FU).

CHART FOR THE PROGRAMMABLE SIA EVENT CODES									
Event Description	Program Number	Alarm	Restore	Bypass	Un-Bypass	Trouble	Trouble Restore	Near Alarm	Verified Alarm
Burglary	1	BA	BH	BB	BU	BT	BJ	BA	BV
Un-typed Alarm	2	UA	UH	UB	UU	UT	UJ	-	-
Hold-up	3	HA	HH	HB	HU	HT	HJ	-	-
Fire	4	FA	FH	FB	FU	FT	FJ	FA	FM
Medical	5	MA	MH	MB	MU	MT	MJ	-	-
Panic	6	PA	PH	PB	PU	PT	PJ	-	-
Emergency	7	QA	QH	QB	QU	QT	QJ	-	-
Gas	8	GA	GH	GB	GU	GT	GJ	-	-
Sprinkler	9	SA	SH	SB	SU	ST	SJ	-	-
Water	10	WA	WH	WB	WU	WT	WJ	-	-
Heat	11	KA	KH	KB	KU	KT	KJ	-	-
Freeze	12	ZA	ZH	ZB	ZU	ZT	ZJ	-	-
Equipment	13	IA	IR	-	-	-	-	-	-
Equip. Tamper	14	TA	TH	TB	TU	TT	TJ	-	-

ELITE SX Software update schedule

V193- Date 15-06-2016

At software version V193 the program option P200E12E was added. This option defaults any custom LCD text information back to the factory default settings and sends the defaults to any LCD keypads connected to the panels keypad bus.

V225 - Date 08-11-2016

At software version V225 the a new selective arm/disarm when multiple areas are assigned to a user was added to make it more flexible. The new feature is enabled by turning on option 6 at P25E13E. If "ARM Before Code" is selected (P45E option 1 ON) and all areas assigned to a user are also assigned to their keypad (P71E) and the ARM button (P74E) then when that user enters ARM - CODE - ENTER they will be presented with a list of areas to arm. The lowest of these areas will be selected by the >< symbols eg, >01<. When the selected area is in bold that means it is ready for arming. If the ARM button is pressed the selected area number will not be in bold indicating that area will not arm eg >01<. Below this selection line will be the customised text name for the currently selected area (eg if area 1 was named "Reception PIR" that name will appear underneath the selected area number). To select another area the right arrow (BYPASS button) will move the selection to the right and the left arrow will move it to the left. By default all assigned areas will be in bold meaning they are all going to arm. If the user wants to reverse that selection so that all areas are not in bold (eg none will arm) they can press 00. To change it back the user can press 99 to select ALL areas again. If a user has a large number of areas assigned but they only want to arm a few of them they can press 00 to deselect all areas then use the "ARM" button to select the few they want to arm. If they want to arm most of the areas but exclude just a few they would start off with all areas selected (99) then simply deselect the few they don't want using the "ARM" button. Once the selection has been made they simply press the ENTER button to arm the selected areas. The same situation works for disarming only the user presses CODE - ENTER and they are presented with a list of areas to disarm. The selection toggle with the "ARM" button and the 00 & 99 functions work the same during disarm.

V225- Date 08-11-2016

At software version V225 an "Arm on No Activity" option was added. There are two ways to achieve that.
1- The area can be assigned a time zone (P68E) and programmed to arm when the time zone ends (P46E option 2 ON). This ensures the area will not start to arm before the time zone ends.

2- The area can be set to arm at any time when there is no activity. For this option there should be no time zone assigned to the area (P68E) and options 2 & 3 at P46E should be OFF. A new option 8, "Arm on no Activity", has been added at P46E. When option 8 is turned ON the area will arm after a programmed period of no activity.

Other new options are:

P4071E - 0-255 minutes (Note: must be a 4 digit entry). This is the activity timer. Every zone trigger will extend this timer. Only after a period of no activity will this timer expire. This timer holds off arming while active.

P4072E - 0-255 seconds (Note: must be a 4 digit entry). This is the arming pre-alert timer. When the timer at P4071E expires this pre-alert timer will start. It is used to sound keypad buzzers (P58E) or alarm outputs (P65E) locally to alert the occupants that if a zone is not triggered the panel will arm. Any zone trigger while this pre-alert timer is running will stop the pre-alert warning and start the activity timer again. When this timer expires the area will begin it's normal exit delay. When the exit delay has started no activity will prevent the panel from arming.

P6133E - Zone options D

Option 1: ON =Zone is excluded from Activity Monitoring.

OFF= Zone is included in Activity Monitoring (Default)

Option 2: ON = Zone will hold off arming until sealed (eg reed switch on a door)

OFF = Zone will restart Inactivity Timer when unsealed (Default)

P37E - Option 6: Pulse output on exit delay (P65E) to output. This changes the exit delay signal on the output from being a constant output to a pulsed output at the pulse timer rate.

Special Output Conditions for auto-arming Pre-alert and Exit delay indications.

If an output has exit delay to output programmed (P65E) it will indicate when the Pre-alert timer (P4072E) and the exit delay (P60E) are active. For the Pre-alert indication the output will turn on for 1 second and off for 5 seconds repeating until the timer expires. When the exit delay is active the output will turn on continuously until the delay expires however if option 6 at P37E is turned on the output will pulse at the pulse timer rate (P39E) until the exit delay has finished. These options allow the Pre-alert and exit delay to be

identified as separate conditions.

Outputs 1 & 2 have additional special functions when set to siren outputs (P37E option 1 ON). When output 1 or 2 are set to be a siren output, with an 8ohm speaker attached, they will sound a 1khz tone during the pre-alert timer period (on for 1 second, off for 5 seconds) and pulse the 1khz tone at the pulse timer rate during exit delay. These two audible indications are controlled by the volume setting (P33E) so the sound can be set to a comfortable level. If an alarm occurs using the same output the siren tone will be at full volume. Finally to further differentiate between the pre-alert and exit delay indications the door bell chime can be programmed at P36E option 7 and that will play during the pre-alert time (once again with the volume settings applied) changing to the pulsed 1khz tone for the exit delay

V233 - Date 02-12-2016

Normally if a trouble alarm is created (eg a code tamper when the wrong code is entered more than 4 times) the trouble will occur for every area associated with the keypad. In the case of a code tamper if the alarm was created at a keypad assigned to 10 areas each of those areas will have a code tamper trouble. If the code tamper trouble is reset by a user assigned to all 10 areas then all trouble alarms will be reset but if not some trouble alarms will still exist until reset in all areas. This is useful when there are many areas but very little sharing across areas but when there is a lot of shared areas it can be desirable for any valid code to be able to reset the trouble alarms in all areas. If option 4 at P25E10E is turned ON this can now happen. Additionally another new option 1 at P6E has been added to allow certain users to be excluded from this global alarm reset function. If option 1 is OFF the user can reset all trouble alarms provided option 4 is ON at P25E10E but if option 1 at P6E is ON the user can only reset trouble alarms that are created in their assigned areas.

V240 - Date 31-01-2017

The maximum program value of the output chime timer (P41E) was increased from 255 to 9999 to allow the timer to run for nearly 17 minutes instead of the previous maximum of 25.5 seconds. At the same time option 2 at P37E was linked to the Chime timer only, the reset time is not affected by this option any longer.

V242 - Date 15-02-2017

There was a bug if using Patriot IP format (P82E option 6). The restore events were being sent as a new event. This was fixed in V242.

V245 - Date 28-02-2017

A number of new features have been added at this firmware update. They are:

1 – A new zone type “security Interlock” zone has been added at program option 3 at address P6133E. The “security Interlock” zone is designed to monitor a door leading to a room containing a safe or strong-room. It would normally only be programmed to one area at P121E and that area will be controlled by the “security Interlock” zone. If the “security Interlock” zone is unsealed the associated area will be armed. The area can only be disarmed when the “security Interlock” zone is sealed. The area would be used to control the electronic locking of the safe or strong-room door by using an output set to follow the disarm state (P49E) of the area. If the area is armed the electronic door will be locked, if disarmed it will be unlocked.

2 – A new area disarm timer (P4073E) has been added. If a value other than 0 is programmed at P4073E the area will not disarm until the timer has expired, eg if a value of 30 was programmed then when the area is disarmed a 30 second countdown will happen that delays the disarm until the timer expires. While the timer is counting down the keypad will show “Access Countdown” and the display will show the delay counting down in 1 second intervals with the keypad also beeping every second. The delay can be programmed from 0-9999 seconds. It is intended as a deterrent for robberies. If the countdown is happening and the “security Interlock” zone is unsealed the countdown will stop immediately and the area will remain in the armed state (and hence the safe or strong-room door will remain locked).

3 – A new extended area disarm timer (P4074E) has been added. This “In Alarm” timer is designed to delay the unlocking of the safe or strong-room door for an extended period. The timer can be programmed from 0-9999 seconds. This timer would typically be set to a value of 900 seconds (15 minutes). The timer is triggered when a 24 hour zone in the same area is triggered (eg a panic button) or if the area is disarmed under duress. If security staff can see that a robbery is in progress they can trigger the panic button which in turn will cause the normal area disarm timer (P4073E) to be replaced with the “In Alarm” disarm

timer (P4074E). If the potential robber is faced with a 15 minute wait before the safe can be opened it should force them to abort the robbery. The same will happen if a staff member is forced to disarm the area and they use the duress code, the "In Alarm" disarm timer will be triggered.

4 - When using CSV IP reporting a name and password can be prefixed to the beginning of the alarm report. The Name is programmed at program location P201E6E and the Password is programmed at location P201E7E. The text is entered in the same way that keypad zone, user, area names are programmed.

5 - A new address P25E15E with a value of 0-255 has been added. An invalid webpage login attempt count can be set at this address. If set to 0 there is no incorrect login count. If set from 1-255, that is the number of incorrect login attempts before the webpage access is locked out. Using a valid code at the panel keypad to arm/disarm the panel will reset this count.

6 - A new address P25E16E with a value of 0-9999 has been added. If an invalid webpage login count is set at P25E15E and that count is exceeded the webpage access will be locked out for the period set at this address. If this address is set to 0 there is no lockout time. If set from 1-9999, that is the time in seconds that all webpage access will be locked out for. Using a valid code at the panel keypad to arm/disarm the panel will reset this time.

7 - A new option called "IP Fail (Timed)" has been added at P36E option 8. If IP Monitoring is being used and the panel fails to report a signal or a poll it will enter a "Comm Failure" state and the output will turn on. The output MUST have a reset time programmed at P40E as it needs a reset time to allow the output to reset after being triggered.

V257- Date 19-04-2017

At software version V257 some new features were added. They are:

1 - The IP monitoring addresses (P203E1-8E) can now be an IP address or a URL (web name). When entering in a URL at the LCD keypad the letters (all lower case), and numbers, are entered in exactly the same way that LCD text for zones, outputs, areas, etc, is entered. The number 1 key can be used to enter in a "1", or "." or "-" in the URL or IP address.

2 - The panel can now support a secondary gateway address (P201E8E). This can be useful if there is a land based internet that could be subject to service interruption, a secondary cellular gateway could serve as a back up.

3 - A primary and secondary DNS server address has been added, P201E9E and 10E.

4 - Two internet clock URL's have been added, P201E11E and 12E. The panel can be told to sync it's time to the internet time by turning On option 3 at address P210E4E.

5 - When using the internet time a time zone can be selected at address P25E17E.

V258- Date 21-04-2017

At software version V258 a new feature was added. There is a new option 5 at P25E13E called "Keypad LED's and Backlight off on no activity". If there is nothing happening on the system, eg no zone activity, the LED's on all keypads and all the backlighting will turn off. This is particularly suited for keypads that might be mounted in a bedroom. If a zone triggers the LED's will turn on for 10 seconds then turn off again.

We also changed how the 24 hour zone restore happens. If a 24 hour zone triggers then restores immediately the restore will be sent to monitoring when it restores. If the zone stays in alarm the restore was sent when the alarm was reset at a keypad but now the restore will only be sent when the zone actually restores.

V260- Date 18-05-2017

When an output is controlled by a Time Zone the "Control" button was able to override the output from a keypad as long as the keypad (P83E) and the output (P34E option 7) were programmed to do this. When the output number was manually entered (eg <CONTROL> <05> <ENTER>) the user could turn the output ON or OFF. The same was supposed to happen if the CONTROL button was programmed as a single button operation at the keypad (see P96E option 8) but using the CONTROL button this way would only turn the output ON, not OFF. This has been corrected in V260 so the CONTROL button when set to single button operation will toggle the output from ON to OFF or from OFF to ON.

V261- Date 22-06-2017

There was a bug when reporting using Patriot IP (type 6 at P182E). The zone/user field should be 3 digits with a spacer digit added after that but the spacer digit was added at the front of those 3 digits which made the zone/user field incorrect. That has been fixed in this version. Also the event code sent for output expander tamper was 354 which is incorrect. The panel now sends a 341 event code.

V268- Date 28-08-2017

There have been some new access control features added.

The first is an access door monitoring input, **P6174E**. If the value is set to 0 for the selected zone then the zone will work as a normal zone. If a value of 01-32 (linked output number) is programmed at this address the zone now becomes a dedicated access control door monitoring input linked to the programmed output, eg if output 10 was programmed for zone 20 (P6174E20E10E) that means zone 20 will monitor the state of output 10. If zone 20 is unsealed when output 10 is not active (ie no valid access activity) a door forced alarm will be created. If zone 20 is unsealed but output 10 is active (which can only happen with a valid card access) then no alarm will be created but if zone 20 is still unsealed when output 10 is inactive (the door should now be closed) a door forced alarm will be created. When zone 20 is sealed all alarms will reset automatically however if monitoring is enabled the reports will still be sent.

The two new alarms "Door Forced" and "Door Left Open too Long" can be assigned to sound at a keypad or operate an output. The new option **P6177E** allows the "Door Open Too Long" alarm to be assigned to a keypad buzzer and the new option **P6178E** allows the "Door Forced" alarm to be assigned to a keypad buzzer. The new option **P6179E** allows the "Door Open Too Long" alarm to be assigned to an output and the new option **P6180E** allows the "Door Forced" alarm to be assigned to an output.

Still associated with the new access control feature is a new set of zone options at **P6175E**.

Option 1 - If turned ON it will make the zone an access door monitoring input. It will create a door forced alarm if the output programmed at P6174E is not active when the input is unsealed and create a door left open too long alarm if the output programmed at P6174E becomes inactive while the door is still open.

Option 2 - If turned ON it sets the input to become a REX (Request to Exit) button linked to the programmed output at address P6174E. When the zone is unsealed it will trigger the reset time for the programmed output.

Option 3 - If turned ON it sets the input to be an Egress Input. The egress input could be connected to a switch that opens the associated door (eg a door override switch in reception). When the Egress Input is triggered the output programmed at address P6174E will turn on, releasing the door. The output will remain on once triggered. There are two ways to reset this state. The first is the output will turn off as soon as the input is sealed again provided option 3 is turned on at the new program location **P6176E**. If option 3 at **P6176E** is off the output will latch on and must be reset by a valid user code. Only user codes with **option 7** on at address **P4E** can reset an Egress input.

Option 4 - If turned ON it sets the input to be a Global Fire Egress Input. When the Global Fire Egress Input is triggered it will turn on all outputs associated with zones (P6174E) that are set to type 1-5 at address P6175E. The outputs will remain on once triggered until either the input resets or a code is entered. Whether the outputs auto-reset or latch on can be set at the new program location **P6176E**. If option 3 at **P6176E** is off the outputs will latch on and must be reset by a valid user code. Only user codes with **option 7** on at address **P4E** can reset a Global Fire Egress input. If option 3 is on the outputs will reset as soon as the input seals.

Option 5 - If turned ON it sets the input to be a Global Egress Input. When the Global Egress Input is triggered it will turn on all outputs associated with zones (P6164E) that are set to options 3, 4 or 5 at address P6175E. The outputs will remain on once triggered until either the input resets or a code is entered. Whether the outputs auto-reset or latch on can be set at the new program location **P6176E**. If option 3 at **P6176E** is off the outputs will latch on and must be reset by a valid user code. Only user codes with **option 7** on at address **P4E** can reset a Global Egress input. If option 3 is on the outputs will reset as soon as the input seals.

The new options at address **P6176E** are:

Option 1 - If turned ON it will report "Door Forced" and "Door Left Open too Long" alarms as the output number at P6174E not the zone number.

Option 2 - If turned ON the zone will not appear in the zone list on the panel status web page.

Option 3 - If turned ON any Egress inputs programmed at address P6175E will turn the outputs off when the input seals. If this option is off any outputs turned on by an Egress input MUST be reset by a valid user code.

Any access door alarms, eg Door Forced or Door left open too long, can cause keypad buzzers to beep the alarm and/or outputs to turn on when in alarm via programming addresses **P6177E**, **P6178E**, **P6179E** and **P6180E**.

The 24 hour Non-Latching zone type (P123E option 4) has been modified. Now the option is called a “Non-latching” zone. If option 4 is turned on the zone will only activate when the associated area is armed but it will reset automatically when it seals (just like the 24 Hour Non-latching option only when disarmed it will not activate). By turning on Options 3 & 4 at P123E a 24 Hour Non-latching alarm is enabled and it will work as it did previously. Also 24 hour zones reported as the incorrect zone number (the actual zone –1), this has now been fixed.

A new **option 2** has been added at address **P174E**. When option 2 is turned ON it marks the timezone as dormant until woken by a user code or tag. An example is the front door of a building is set to automatically unlock at the start of a timezone and lock when it ends. If the timezone is set to a dormant type the door will not unlock until a valid user has accessed the building. Once the valid user has accessed the building the door will unlock and remain unlocked until the timezone ends. Valid users are selected at the new program location **P1032E**. A user is assigned to a timezone at P1032E and if that timezone is set to be dormant it will not start until the user accesses the building.

Also when learning radio users, user tags or radio zones the right arrow would not allow access to the next sequential user or zone, that has now been fixed.

Finally on the ELITE SX web page there is the status page that shows assigned areas, zones and outputs. Previously only the generic names appeared, eg area 1, zone 1 & outpu1, but now if custom names have been programmed at addresses P31E, P69E & P169E they will appear beside the generic names. There is also the activity page (memory events) which only showed the generic names for users, areas, outputs, zones and keypads but now any custom names will also appear in the activity log along with an abbreviated description of the device or user number in program mode, eg user 1 activity would appear as (U1)John Smith to show both the user number and the custom name. If the user/zone/area/output and keypad number information is not wanted, eg (U1, A1, O1, K1, Z1), then turning on option 8 at P25E18E will stop that information from being displayed.

V270- Date 30-08-2017

The output reset time **P40E** has been increased from a maximum value of 9999 to 65535 seconds to allow for longer output timing.

V271- Date 04-08-2017

If the panel is restarted following a firmware or configuration update and outputs were supposed to be turned on by a schedule they would not come on automatically if the schedule was active. This was changed at V263 to accommodate another feature but the auto-reinstatement of scheduled outputs at power up has been added back in again.

V282- Date 24-11-2017

The options 3 & 4 at P72E allow the arming and stay arming to be turned off at any keypad. When arming was inhibited at a keypad by turning off one of these options the disarming would still function. Two options have been added at a new program location P5070E. Option 1 enables Away mode disarm at the keypad and Option 2 enables Stay mode disarm at the keypad. This now allows user codes and/or access tags to be able to only arm or only disarm at certain keypads. In sites where there is an entry reader/keypad and an exit reader/keypad the entry keypad can be set to disarm only and the exit keypad can be set to arm only. Also when using an access tag or entering a code at a prox reader if the tag or code was valid the keypad would produce a long error beep instead of the correct 3 short beeps. Now a valid tag or code will produce 3 short beeps and an invalid tag/code will produce a long error beep.

V288- Date 18-01-2018

The panel can now support serial over IP for connection to central controllers and automation systems. There is a new option at address P201E4E option 4. When turned on serial over IP (Ethernet port) is enabled. The serial IP port is programmed at address P201E13E. Normally any device making a TCP/IP connection on the nominated port can communicate with the panel and receive the serial monitoring signals and control the panel by sending the serial commands (see the ELITE-SX serial over IP document for

the list of signals and commands). An additional authentication can be added. If option 3 at P25E18E is turned on the serial over IP connection will require sending of a user name and password to authenticate the connecting device before communications will be established. The user name (16 characters max) is programmed at P25E19E, the password (16 characters max) is programmed at P25E20E and there is a serial user timeout (in seconds) that is programmed at P25E21E.