

ELITE SX Version
(64 Zone Control Communicator)

V10

Arrowhead
Alarm Products Ltd

Program Summary Guide

Proudly Designed and Manufactured in New Zealand

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 = Spare
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

Radio User Type

P7E 101-2000E Radio User 101-2000 Type (Default = 0)
0 = General Pendant Type
1 = Crow Fremlink 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
â =
32 = User Controlled by 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 #

+++++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 = Spare
- 5 = Receiver Fail/RF Jammed Lockout
- 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 =)

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 = Spare
- 6 = Spare
- 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.**

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.

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
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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
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Programming Output Options "A"

P34E	1-32E	Options "A" for Outputs 1-32	1 = Invert Output 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)
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Programming Output Options "B"

P35E	1-32E	Options "B" for Outputs 1-32	1 = Mains Fail to Output (Operates when P25E6E time expires) 2 = Fuse Failure to Output 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
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Programming Output Options "C"

P36E	1-32E	Options "C" for Outputs 1-32	1 = Walk Test Pulse to Output 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 = Spare 7 = Play Doorbell tone on a Chime zone trigger 8 = Spare
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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) 2 = Output Reset-Chime timers are in minutes (off for seconds-1/10th secs) 3 = Output 'silenced' for 10 seconds on key-press if alarm 4 = Turn Output OFF during Two Way Voice Mode 5 = Spare 6 = Spare 7 = Spare 8 = Monitored Output (can tell if siren cable is cut, outputs 1&2 only)
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Output ON Delay Time

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

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

P40E 1-32E Output 1-32 Reset Time - 0-9999 Seconds (Default = 300 Sec)
(if option 2 at P37E is on the reset time is in minutes)

Output Chime Mode Time

P41E 1-32E Output 1-32 Chime Timer - 0-255;1/10th Sec increments (Default =10 which is 1 sec)

Start of Output “Command Control” Status Messages

P42E 1-32E Start message Number for Outputs 1-32 “Command Control” - 0-99 (Default = 0)

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 = Spare

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 Start Message for Areas 1-32 Command Control - Value 0-99
(Default = 0 for all Areas)

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

+++++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)

- 1 = <CHIME> Button Enabled
- 2 = <BYPASS> Button Enabled
- 3 = Spare
- 4 = Spare
- 5 = <CONTROL> + <CHIME> Panic Alarm Enabled
- 6 = <A> + Fire Alarm Enabled
- 7 = + <CHIME> Medical Alarm Enabled
- 8 = Stay Armed Beep to 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 (Off=Show KP Name) 4 = Display Armed Areas as numbers 5 = Spare 6 = Spare 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 (Default = 3)	0 = If set to 0 allows P125E to set individual values from 1-13 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 = Zone is a 24 Hour 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 = Spare
- 6 = Zone will Not Report 24 hour Alarms via Dialler
- 7 = Pulse Output on Kiss-off Following an alarm
- 8 = Exit Terminator

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 = Freelink with checksum (supervised signal active)
 4 = Freelink 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)

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

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

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

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

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

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

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

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

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

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

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

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

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

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 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

+++++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
- 2-8 = Spare



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
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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
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Auto-Answer Ring Count

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

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

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

P175E 8E	Dialling Pre-fix Number - Value 1-16 Digits (Default = 0)
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"Panic" Alarm Contact ID Reporting Code

P175E 9E	"Panic" Alarm CID Reporting Code - (Default=120)
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"Fire" Alarm Contact ID Reporting Code

P175E 10E	"Fire" Alarm CID Reporting Code - (Default=110)
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"Medical" Alarm Contact ID Reporting Code

P175E 11E	"Medical" Alarm CID Reporting Code - (Default=100)
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Output "Command Control" Code Number

P175E 12E	Output Command Control code - Value 1-4 digit code (1-9999) (Default = 0)
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Microphone On/Off "Command Control" Code Number

P175E 13E	Microphone Command Control code - Value 1-4 digit code (1-9999) (Default = 0)
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Dialler Acknowledge Code

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

P175E 15E	Force Test Call Code - Value 1-4 digit code (1-9999) (Default = 0, Feature disabled)
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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)
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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
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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
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5 = Report Output 1 or 2 Fail
 6 = Report RTC Time changed
 7 = Report Keypad Buss Trouble
 8 = Report RF Interference (Jamming) Detected

+++++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)

"Panic" Alarm SIA Reporting Code

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

"Fire" Alarm SIA Reporting Code

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

"Medical" Alarm SIA Reporting Code

P197E 3E "Medical" Alarm SIA Reporting Code - (Default value = 5, Medical Alarm Event Code MA)

+++++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

Clear Alarm Memory Buffer

P200E 11E Clear Alarm Memory Buffer

Initiate a Call to the Call-back

P200E 12E Initiate a Call to the Call-back

Read RSSI from Pendants and Wireless Zones

P200E 14E Read RSSI from Pendants and Wireless Zones

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

P201E	1E	Control Panel IP Address (Can also be viewed by pressing the number "9" for 5 seconds in normal mode)	Panel IP Address
P201E	2E	IP Gateway Address	IP Gateway Address
P201E	3E	IP Subnet Mask	IP Subnet Mask
P201E	4E	IP Setup Options 1 = DHCP/Manual Panel IP address (Off= Automatic DHCP) 2 = Spare 3 = Spare 4 = Spare 5 = Spare 6 = Spare 7 = Spare 8 = Spare	IP Setup Options
P201E	5E	Show Panel MAC Address (Can also be viewed by pressing the number "8" for 5 seconds in normal mode)	Show Panel MAC Address
P202E	1-8E	IP Reporting Poll Timer (0-9999 minutes)	IP Reporting Poll Timer
P203E	1-8E	Monitoring IP Reporting Number (000.000.000.000)	Monitoring IP Reporting Number
P204E	1-8E	IP Reporting Port Number	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/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
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	354	001-008	Output expander board Tamper Alarm
Wiegand IF-2 Tamper Alarm	137	001-032	Wiegand IF-2 board Tamper Alarm
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
RF Receiver jam detected	344	000	RF Jamming Detected
Dialler Failure	354	000	Failure to get kiss off

SIA Reporting Code Summary

Most of the SIA Event Codes are fixed within the panel but some locations such as zones at P196E (1-16E) 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.

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
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
Listen-In Request	LF	

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	-	-

When you program one of the numbers in column 2 above 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).

