

# Operating Guide



General Operation & User Programming Manual for **EC-PCB & EC-i**

# Contact information

Sensor	Name
1	
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16	

Installer Details	
Installer Name	
Installer Contact Number	
Installer Email Address	
Date of Installation	

# Alarm maintenance

Thank you for purchasing an EliteControl Alarm System



In purchasing an AAP EliteControl system you are helping us to continue designing & manufacturing quality New Zealand made Security equipment, right here in our very own backyard!

Similar to your car, it is recommended your security system has regular maintenance. Preventative Maintenance ensures your security system is always working as it should, offering you the high quality of security you expect. There is nothing worse than being on holiday, only to receive a notification that you have a low battery on your alarm. Opting for on-going Preventative Maintenance ensures your system has a regular check-up and reduces the risk of any false alarms and issues with your alarm system.

Your installer can provide this service to you by way of a 24 month Preventative Maintenance Inspection.

Your Preventative Maintenance check with include:

- Testing of the control panel for communications to the monitoring centre, sirens, tampers and strobe lights.
- Software updates to ensure your system is keeping ahead of the software hackers, applicable if system is connected to internet for smartphone app.
- Inspecting and testing the operation of all detection devices.
- Verifying that no compromise to devices has occurred (compromise of devices could be from building alternations, partitions, furniture or other obstacles).
- Testing the batteries on remotes & wireless sensors.

**Please note** Arrowhead Alarm Products is the manufacturer & is not involved or responsible for installations & maintenance of our products.

Visit our website

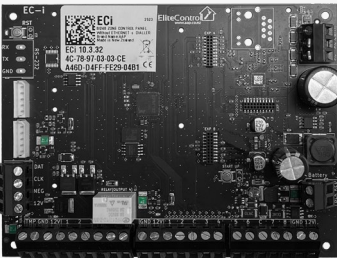
For a recommended installer in your area

# Features of your system infinity series powered by EliteControl

EliteControl 'Infinity Series' provides an unprecedented level of alarm, access & automation integration. This flexibility makes the EC paramount for general residential to luxurious homes & small to medium commercial premises. Infinity series is completely modular, creating a versatile solution that saves excess hardware & labour in every installation.

## EC-PCB

*Note: EC-i panel includes onboard Ethernet*



## Features

- Ethernet (optional plug-in module for EC-PCB)
- EliteCloud smartphone app (optional)
- EliteCloud dashboard (coming soon)
- Integrated access control
- Custom I/O programming
- Fire panel integration
- Infinity long range wireless
- RS232 (optional plug-in module)
- Home automation system integration
- PSTN dialler (optional plug-in module)

5 Year **Warranty**

## Supports

248 inputs	32 keypads	32 time schedules	2000 users
32 outputs	32 partitions	32 access levels	10,000 events

5 Year **Warranty**

Security & Control

# Control your alarm with EliteCloud

Stay in touch with your home or business from almost anywhere. The EliteCloud app supports alarm, access control, monitoring & other control functions, along with custom push notifications directly to your Apple or Android smart device.

## Features

- System history
- Live sensor status
- User management
- Control up to 32 outputs
- Up to 10 sites per app user
- Up to 100 app users per site
- Customisable favourites buttons
- Customisable push notifications
- Ongoing feature enhancement

## EC-IoT

Note: EC-PCB requires EC-IoT for app connectivity however EC-i has on board Ethernet so not required



EliteCloud



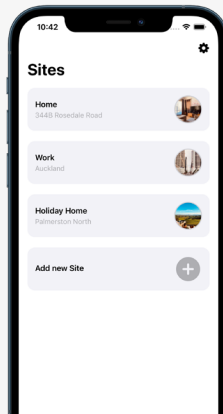
[www.elitecloud.co.nz](http://www.elitecloud.co.nz)

For full history of your EliteControl system, consider adding the EliteCloud app as this will provide you with the most detailed and up to date information of your security system

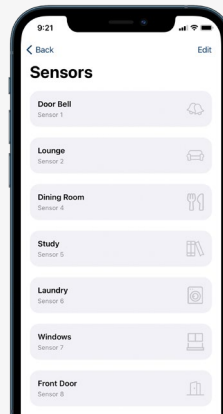
## Notifications



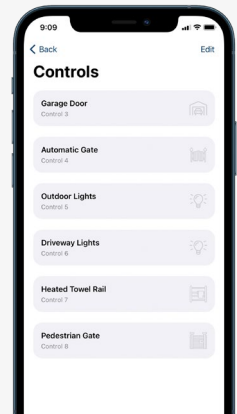
## Sites



## Sensors



## Controls



5 Year Warranty

Stay in touch anytime from almost anywhere

Infinity series long range wireless allows installers to specify professional, correctly positioned products without excessive labour unpleasant trunking or conduit. With up to 500m range, almost any site can be accurately secured.

## infinity link

2 way wireless  
transceiver link  
module



## infinity motion

2 way wireless  
PIR motion  
sensor



## infinity remote

2 way wireless  
4 button remote  
with haptic feedback



*\*also available to purchase as infinity remote kit\**

## infinity input

2 way wireless  
door & window  
contact



## infinity panic

2 way wireless  
button with haptic  
feedback



## Features

- Frequency: 916Mhz
- Simple installation
- Battery life up to 5 years
- Remotes provide haptic feedback
- Transmission range up to 500m
- Battery low, tamper & supervision

## infinity motion IP54

2 way wireless  
outdoor dual tech  
motion sensor



## infinity output

2 way wireless  
1 channel  
relay output



## infinity siren

2 way wireless  
outdoor siren &  
strobe



# Expander modules

 infinity series  
powered by [EliteControl](#)

Modular expansion to customise your system to meet your needs.

5 Year [Warranty](#)



## EC-Z8

8 input expander module

- 8 configurable inputs
- 2 quick connect keypad bus sockets
- On board system tamper
- Add up to 30 x EC-Z8 modules to 1 x EC-PCB & EC-i

## EC-A2

2 door access control module

- 2 proprietary wiegand inputs
- 2 configurable inputs (REX or custom)
- 2 configurable outputs
- Plug in terminals
- Add up to 32 x EC-A2 modules to 1 x EC-PCB & EC-i



## EC-O4

4 output expander module

- 4 configurable outputs
- 2 quick connect keypad bus sockets
- On board system tamper
- Add up to 8 x EC-O4 modules to 1 x EC-PCB & EC-i
- Plug in terminals



5 Year [Warranty](#)

Modular Expansion

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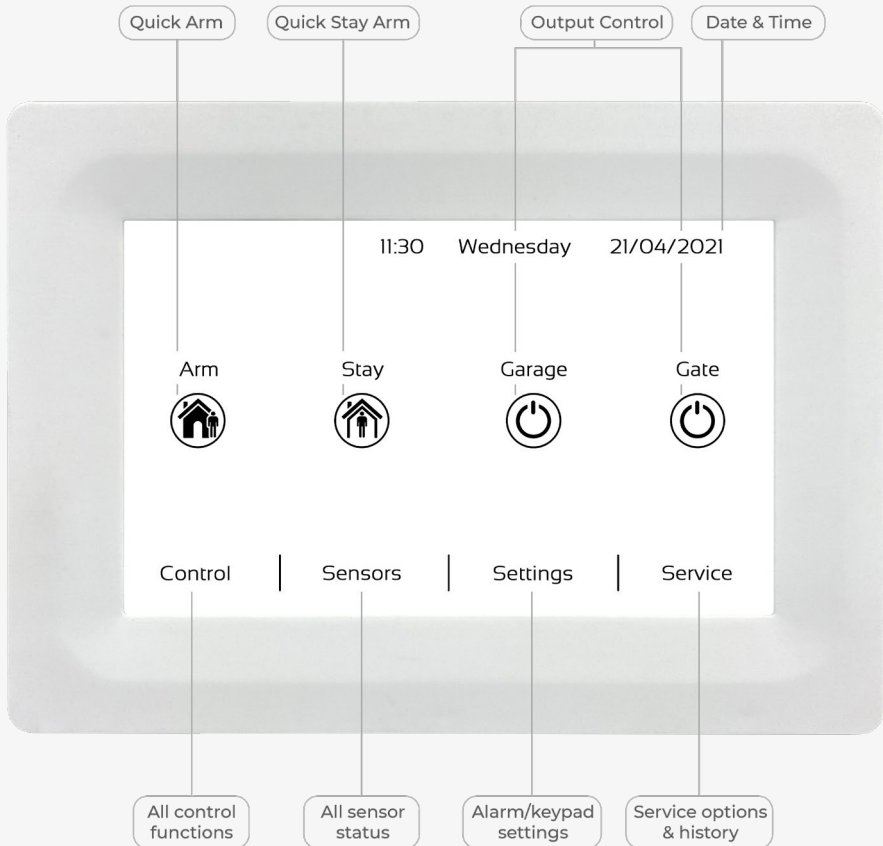
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# EC-PCB & EC-i Keypads

## EC-TOUCH Layout

- Take note of this RED dot. This will be your indication of the EC-TOUCH keypad throughout the manual. If this is your keypad, you can ignore the grey & blue dots.



# EC-PCB & EC-i Keypads

## EC-LCD Layout

- Take note of this BLUE dot. This will be your indication of the EC-LCD keypad throughout the manual. If this is your keypad, you can ignore the grey & red dots.

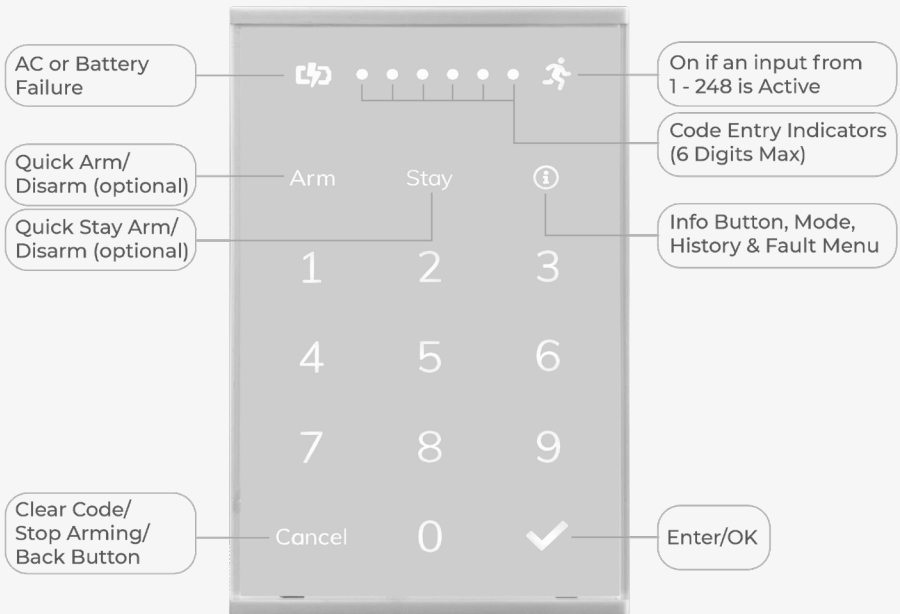
Keypad Layout



# EC-PCB & EC-i Keypads

## EC-KP Layout

- Take note of this GREY dot. This will be your indication of the EC-KP keypad throughout the manual. If this is your keypad, you can ignore the blue & red dots.





# General Operation




## Arming/Disarming

Please note the Default User Code is '123', however if this code is ineffective, your installer may have changed it.


### ● **EC-TOUCH - Arming Your System**

- Locate the lock icon labeled 'ARM' on the home screen 
- Press the icon, you will see a 'RED' lock icon appear followed by an audible exit delay. Now, exit the premises 


### **Disarming Your System**

- Press on the red 'ARMED' icon, this will bring up a keypad   
*Note: Keypad may automatically become visible*
- Enter a valid user code followed by 
- Providing the code was correct you will hear a triple beep and be taken to the home screen.  The system is now disarmed.

### ● **EC-LCD & EC-KP - Arming Your System**

- Press the 'ARM' key on the top left of your keypad. You will see 'ARMED' appear along with an audible exit delay.
- Alternatively, type in a valid user code followed by the 'ENTER' or  button. 'ARMED' will display and an audible exit delay will be heard. Now, exit the premises.

### **Disarming Your System**



- Type in a valid user code followed by the 'ENTER' or  button.
- The 'ARMED' LED should turn off, indicating the system is disarmed.

# General Operation

## Stay Arming/Disarming


'Stay Arming' is only setting a portion of your system. I.e. Only the sensors that relate to your garage or downstairs for extra security at night. *Note: This needs to be pre-configured by your installer.*

### ● EC-TOUCH - Arming Your System In 'STAY' Mode


- Locate the house icon labelled 'STAY' on your home screen 
- Press the 'STAY' icon and you will hear an audible exit delay, as well as the yellow 'STAY' icon being displayed 

Now your system is partially armed as pre configured by your installer.


#### Disarming 'STAY' Mode

- Press on the yellow 'STAY ARMED' icon to bring up a keypad.
- Enter a valid user code followed by 
- Providing the code was correct you will hear a triple beep and be taken to the home screen. The system is now disarmed.

### ● EC-LCD & EC-KP - Stay Arming Your System

- Locate the 'STAY' key on the top of your keypad.
- Pressing this will start your exit delay beeps and show 'STAY' in red on the screen.
- Alternatively, type a valid stay arm code (pre configured by your installer), followed by the 'ENTER' or  button to confirm.
- A valid code will show 'STAY' in red on the screen along with audible exit beeps.

#### Disarming 'STAY' Mode

- Type in your valid user code followed by 'ENTER' or . The 'STAY' LED should turn off indicating the system is disarmed.

# General Operation

## Bypassing Sensors - *Feature not supported on EC-KP*

Sensors can only be bypassed when the alarm is in the disarmed state. If you bypass a sensor(s) it becomes disabled when the alarm system is armed. Any bypassed sensor will become active again when the alarm is disarmed.

### EC-TOUCH

- From the home screen press the 'SENSORS' tab & sensors 01 - 248 will be displayed. Next press on any sensor that you would like to bypass & it will turn purple. This means that the selected sensor(s) will be disabled for one arm cycle & will become active again when the system is disarmed.
- You can manually turn off any Bypassed sensors using the same method as above.



### EC-LCD

- From the home screen press the 'BYPASS' button followed by the sensor(s) you would like to bypass from 001 - 248, followed by the 'ENTER' button to confirm. Example: 'BYPASS' < 003 > 'ENTER' to bypass sensor 3.
- If you have any Bypassed sensors, the Bypass light will flash until the system is armed. This means that the selected sensor(s) will be disabled for one arm cycle & will become active again when the system is disarmed.
- If you press the 'BYPASS' button while the Bypass light is flashing the screen will show which sensors are bypassed.
- You can manually turn off any Bypassed sensors using the same method as above.

# Keypad Settings

## Display & Brightness

### EC-KP



- Press the  icon.
- Press '5' for brightness level: 1 = least bright & 6 = most bright.
- Once selected, press  to confirm.

See *EC-KP manual* for more details.

[EC-KP  
User Manual](#)



### EC-TOUCH

- Press the 'Settings' tab at the bottom right of the home screen.
- Enter a valid user code followed by the  button.
- Scroll down and press option 'Brightness'.
- Adjust your display and screen saver brightness as desired, then press the  button to exit to the home screen.

### EC-LCD





- Please note this option can only be configured by your installer.

# Keypad Settings

## Sensor Naming

● **EC-KP** - does not support this feature.

● **EC-TOUCH**

- Press the 'Settings' tab at the bottom right of the home screen.
- Enter a valid user code followed by 
- Press 'Sensor Names'.
- Use the  /  arrows to select the sensor you wish to name.
- Enter the new sensor name using the keypad, followed by the  button to confirm. Press the back button to return to the home screen.
- The new sensor name will be displayed under the 'Sensors' tab on the home screen.





● **EC-LCD**

- Please note this option can only be configured by your installer.



# Keypad Settings

## Area Naming





- **EC-KP** - does not support this feature.
- **EC-TOUCH**
  - Press the 'Settings' tab at the bottom right of the home screen.
  - Enter a valid user code followed by 
  - Scroll down and press 'Area Names'.
  - Use the  /  arrows to select the area you wish to name.
  - Enter the new area name using the keyboard, followed by the  button to confirm. Press the back button to return to the home screen.
  - The new Area name will be displayed when you arm the system.
- **EC-LCD**
  - Please note this option can only be configured by your installer.

# Keypad Settings

## Control Naming

● **EC-KP** - does not support this feature.

● **EC-TOUCH**

- Press the 'Settings' tab at the bottom right of the home screen.
- Enter a valid user code followed by 
- Press 'Control Names'.
- Use the  /  arrows to select the control you wish to name.
- Enter the new control name using the keyboard, followed by the  button to confirm.
- Press the back button and your new control name will display in the 'CONTROL' tab from the home screen.

*Note: Each output has two names. One under the 'CONTROL' tab on the home screen & one for the control icon on the home screen (icon name).*

● **EC-LCD**







- Please note this option can only be configured by your installer.

# User Code & Name Programming

## Adding User Codes

The EC-PCB & EC-i alarm system is capable of storing a maximum of 2000 individual user codes. Please note that only user code 1 is able to enter client programming mode.

### ● EC-TOUCH

- Press the 'Settings' tab at the bottom right of the home screen.
- Enter a valid user code followed by  to confirm.
- Press on 'User' then enter the user number from 1 - 2000 that you would like to change, followed by  to confirm.
- Enter the new user code using the keyboard, followed by the  button to confirm.
- Press the edit icon  to add/change the user name.
- Press the  /  arrows to add/change another user or the back button to return to the home screen.

### ● EC-KP

Please note this option can only be configured by your installer.

# User Code & Name Programming

## Adding User Codes





### ● EC-LCD

- Enter client programming mode by pressing 'PROG', then your 'User Code' followed by 'ENTER'. 'Client: Users' should display.
- Press 'PROG', then '1', then 'ENTER' & 'User Code' should display.
- Now press the user slot number you wish to add/change. I.e. '1' (user 1) followed by 'ENTER' to confirm.
- If a code is existing in this slot it will now be displayed.
- Type in your new user code followed by 'ENTER'. The new user code should now be displayed on screen. Make sure it is correct.
- Repeat steps 2-5 using different user slot numbers to add or change more user codes.
- Once complete, press the 'PROG' button until "Enter To Exit" appears on the screen. Then press 'ENTER'.

*Note: User codes can be added into slots 1 up to 2000.*

## Deleting User Codes

### ● EC-TOUCH

- Press the 'Settings' tab at the bottom right of the home screen, followed by your user code, then press 
- Next enter the user slot from 1 - 2000 that you wish to delete, followed by  to confirm.
- Press the backspace key to delete the user code, followed by the  button to confirm.
- Press the back button to return to the home screen 

# User Code & Name Programming

## Deleting User Codes

### ● EC-KP

- Please note this option can only be configured by your installer.

### ● EC-LCD

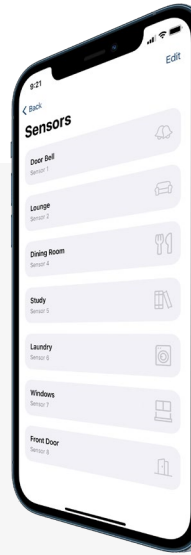
- Enter client programming mode by pressing 'PROG', then your User Code followed by 'ENTER'. 'Client: Users' should display.
- Press 'PROG', then '1', then 'ENTER' & 'User Code' should display.
- Now press the user slot number you wish to delete, for example '1' (user 1), 2 (user 2) etc followed by 'ENTER' to confirm.
- If a code is existing in this slot it will now be displayed.
- Press 'CONTROL' & '0' at the same time followed by the 'ENTER' button. Nothing will display if the delete operation is successful.
- Repeat steps 2 - 5 using different user slots to delete more users.
- Once completed, Press the 'PROG' key until 'Exit Programming' is displayed. Then press 'ENTER' to confirm.

*Note: When you are at step 4 (above) you can use the Left/Right arrows to navigate through user slots for quicker programming.*

# Setting Time & Date



## Setting the Time

It is recommended to connect your EliteControl system to the internet and use the 'Sync Panel to internet clock' function. This is best configured from the EliteCloud app.



● **EC-KP** - does not support this feature.

### ● **EC-TOUCH**

- Press the 'Settings' tab at the bottom right of the home screen followed by your user code, then press 'ENTER'. Press 'Time & Date'.
- Now enter the current 24 hour 'Time & Date' and press  to save.
- Once changed, press the  to exit to the home screen.

### ● **EC-LCD**

- Enter client programming mode by pressing 'PROG', then your User Code followed by 'ENTER'. 'Client: Users' should display.
- Now press 'PROG' then '26' followed by 'ENTER'.
- Now press '1' then 'ENTER'. The existing clock time should display.
- Enter the current time in HHMM format followed by 'ENTER' to confirm.
- Once completed, Press the 'PROG' key until 'Exit Programming' is displayed. Then press 'ENTER' to confirm.

# Setting Time & Date

## Setting the Day


- **EC-KP** - does not support this feature.
- **EC-LCD**
  - Enter client programming mode by pressing 'PROG', then your User Code followed by 'ENTER'. 'Client: Users' should display.
  - Now Press, 'PROG' then '26' followed by 'ENTER'.
  - Now press '2' then 'ENTER'. The existing day number should display.
  - Enter the current day number followed by 'ENTER' to confirm 1 = Sunday, 2 = Monday, 3 = Tuesday, 4 = Wednesday, 5 = Thursday etc.
  - Once completed, Press the 'PROG' key until 'Exit Programming' is displayed. Then press 'ENTER' to confirm.

## Setting the Date

- **EC-KP** - does not support this feature.
- **EC-LCD**
  - Enter client programming mode by pressing 'PROG', then your User Code followed by 'ENTER'. 'Client: Users' should display.
  - Now press 'PROG' then '26' followed by 'ENTER'.
  - Now press '3' then 'ENTER'. The existing date should display.
  - Enter the current date in DDMMYY format followed by 'ENTER' to confirm.
  - Once completed, Press the 'PROG' key until 'Exit Programming' is displayed. Then press 'ENTER' to confirm.

# Current Faults/History



## Current Faults/History Table

	Fault Description
Nothing is Displayed	There are no current faults with the system
AC Failure	No mains power detected at alarm panel
Battery Low	Alarm backup battery is low or missing
Call Failure	Alarm has not received a response from monitoring/smartphone
Keypad Missing	Keypad missing or has been removed from the KP-BUS
Line Failure	Unable to communicate
Pendant Battery Low	Smart remote battery low
Zone Battery Low	Wireless sensor battery low
Delinquency Alarm	Area has not been armed within the set number of days
Supervised Detector Fail	A supervised sensor has not communicated with the panel
Zone Sensor-Watch Alarm	A sensor-watch zone has not triggered within the set time

For colour indications, please refer to Page 7, 8 & 9 to match your keypad.

## Fuse Failure

**Please note:** If you receive any of the below 'Fuse Failure' alerts on your keypad you should contact your installer immediately to remedy the fault.


Keypad	Failure Displayed	Required Action
EC-KP		Note: if  is solid red, press it, then press 3 to enter the 'Faults' menu. If 4 is showing then there is a fuse failure and you should contact your installer immediately to resolve
EC-LCD	Fuse Failure	Contact your installer immediately to resolve
EC-TOUCH	Fuse Failure	Contact your installer immediately to resolve




# Current Faults/History

## Viewing Current Faults

### ● EC-KP

A fault is indicated by the red solid  icon, to view it:

- If the  is solid red, press it, then press 3 to enter the 'Faults' menu. If 4 is showing then there is a fuse failure.

See *EC-KP manual for the 8 Fault options.*

[EC-KP  
User Manual](#)



### ● EC-TOUCH


A fault is indicated by a red code in the top left corner, to view it:

- Press 'Service' in the bottom right corner of the home screen
- Now press 'Alerts'.
  - a. If the screen is empty, there are no current faults with the system.
  - b. If there is a fault, use the table above to identify the issue.

### ● EC-LCD

A fault is indicated by the red 'TROUBLE' light on, to view it:

- Press the 'Up' arrow labelled 'MEM' & 'Current Faults' will be displayed.
  - a. If 'No Faults' is displayed, there are no current faults with the system.
  - b. If a fault displays, refer to the table on Page 24 to help identify the issue.

Each press of the  arrow will display the next fault. Once the 'Current Faults' text goes away, you have passed the current faults section and are now viewing the full event history. Refer to pages 27 - 30 for full event history information.



# Current Faults/History

## Event History

The EC-PCB/EC-i alarm panel stores a total of 10,000 history events. These can be used to identify who last set the alarm, when/who opened doors/gates and more. To view this, follow the steps below for your keypad.

- **EC-KP** - does not support this feature. Please consider using the EliteCloud app as this is the best way to view all information on your system including Event History ([www.elitecloud.co.nz](http://www.elitecloud.co.nz)).

- **EC-TOUCH**

- Press the 'Service' tab at the bottom right of the home screen.
- Now Press 'History' and scroll through history from latest to oldest using the  /  arrows.

See Page 20 for more information or press  to exit memory.

- **EC-LCD**


- Press the 'Up' arrow labeled 'MEM' & 'Current Faults' should display.
- Continue to press the 'Up' arrow until the date & time is displayed at the bottom of the screen. Now you are viewing the system event history.
- From here each press of the 'MEM' button will scroll through the 10,000 history events from latest to oldest.

See Page 20 for more information. Press 'ENTER' to exit memory.


# Full Event History Table

	Fault Description
12V Fuse Fail Alarm	A short circuit or over current has activated a fuse. Check devices
12V Fuse Fail Restore	The short circuit/over current has been removed and been restored
24Hr Re-instated	A 24 hour alarm has been re-instated after an activation
24Hr Bypassed	A 24 hour alarm zone has been manually or automatically bypassed
24Hr Alarm Active	A 24 hour alarm is active
24Hr Alarm Restore	A 24 hour alarm has been restored and is ready for activation
AC Power Fail Alarm	230V AC input has failed. No mains power detected
AC Power Fail Restore	230V AC input restored. Mains power is OK
AC Fail Reported via Dialler	A 230V AC power loss has been reported via the dialler
AC Fail Restore Reported via Dialler	A 230V AC power restore has been reported via the dialler
Automatic Test Message sent	The alarm panel has successfully reported via the dialler
Auto Arm Fail	The panel was not able to auto arm. Check open zones
Auto Arm Fail Restore	Auto arming failure has been restored
Area Armed by ARM button	Area (A or B) has been armed via the quick arm button
Area Armed by Keyswitch	Area (A or B) has been armed via a key-switch
Area Armed by Upload/Download	Area (A or B) has been armed via the upload/download software
Area Armed by DTMF	Area (A or B) has been armed via the diallers DTMF
Area Armed by Pendant	Area (A or B) has been armed via a remote pendant
Area Armed by Time Zone	Area (A or B) has been armed via a time zone
Area Armed by User	Area (A or B) has been armed via a user code from a keypad
Panel Low Battery	Alarm panels backup battery is low. Contact an installer for more info
Panel Low Battery Restore	Alarm panels backup battery has successfully been recharged
Clock Changed by PC	Alarm panels date/time has been changed via upload/download
Clock Changed at panel	Alarm panels date/time has been changed via a keypad
Callback Initiated	Calling back last received phone number
Panel Defaulted	Alarm panel has been defaulted to factory defaults



# Full Event History Table

 Fault Description	Fault Description
Area Delinquency Alarm	Alarm panel has gone into a duress alarm
Area Delinquency Alarm Restore	Alarm panel duress alarm has restored
Excessive Code Attempts Alarm	Incorrect user code has been entered too many times
Excessive Code Attempts Restore	Excessive code attempts alarm has restored, enter valid code now
Event Buffer Cleared at Keypad	Alarm past events have been cleared via the keypad
Event Buffer Cleared from PC	Alarm past events have been cleared via upload/download software
Duress Alarm at Keypad	A panic alarm has been manually triggered at a keypad
Duress Alarm at Keypad Restore	A manual panic has been restored at a keypad
Fire Alarm at Keypad	A manual fire alarm has been activated via a keypad
Fire Alarm at Keypad Restore	A manual fire alarm has been restored via a keypad
Medical Alarm at Keypad	A manual medical alarm has been activated via keypad
Medical Alarm at Keypad Restore	A manual medical alarm has been restored via a keypad
Panic Alarm at Keypad	A manual panic alarm has been activate via a keypad
Panic Alarm at Keypad Restore	A manual panic alarm has been restored via a keypad
Keypad Missing	An alarm keypad has not communicated within expected time frame
Keypad Re-Instated	A previously missing keypad has restored communications
Keypad Tamper Alarm	An alarm keypads tamper alarm has been activated
Keypad Tamper Alarm Restore	An alarm keypads tamper alarm has been sealed and disarmed
Manual Test Message sent	A manual test message has successfully been reported via dialler
Area Open by ARM Button	Area has been disarmed via the quick arm button
Area Open Normal or Stay by Key-switch	Area (A or B) has been disarmed or set to stay arm via key-switch
Output Turned Off by KP/Control/PC or DTMF	An output of the alarm has been manually turned off via keypad/upload/download software
Output Turned On by KP/Control/PC or DTMF	An output of the alarm has been manually turned on via keypad/upload/download software

# Full Event History Table

 Fault Description	Fault Description
Area Open Normal or Stay by PC or DTMF	Area (A or B) has been set to open or stay via upload/download software or via the diallers DTMF
Area Open Stay by STAY Button	Area (A or B) has been disarmed (opened) via the quick stay button
Output Tamper Alarm	A monitored output has triggered its tamper alarm
Output Tamper Alarm Restore	A monitored output has re-sealed its tamper alarm
Area Open Normal or Stay by Pendant	Area (A or B) has been disarmed (opened) via a remote pendant
Area Open by Time Zone	Area has been disarmed (opened) automatically via a time zone
Area Open Normal or Stay by User	Area has been disarmed (opened) via a user code
PC to Panel Comms Ended	Communications between PC software and panel has ended
PC to Panel Comms Started	Communications between PC software and panel has started
Telephone Line Failure	Telephone line/dialler communications failure. Check wiring
Telephone Line Failure Restore	Telephone line/dialler communications restored to normal operation
Dialler Call Un-answered	Call made via dialler was unanswered
No Kiss-Off to Dialler Event	No kiss-off via dialler received after event
Exit Program Mode	An installer or user has exited programming mode
Enter Program Mode	An installer or user has entered programming mode
Receiver Fail	A radio receiver has not responded in the expected time frame
Receiver Fail Restore	A previously non-responsive radio receiver has responded
RF Zone Battery Low	A wireless radio zone (sensors) battery is low. Replace ASAP
RF Zone Battery Restore	A wireless radio zones battery has been replaced
RF Interference Alarm	The alarm panel has detected RF interference on its radio receiver
RF Interference Alarm Restore	There is no more radio interference and has continued to receive
RF Zone Supervise Fail Alarm	A supervised zone has not communicated in the expected time
RF Zone Supervise Fail Restore	A previously unresponsive supervised zone has communicated
RF Zone Tamper Alarm	A radio zone's tamper has been triggered
RF Zone Tamper Restore	A radio zone's tamper has been restored/sealed

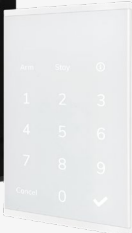
# Full Event History Table

 	Fault Description
Radio Zone Deleted	A radio zone has been deleted via installer programming
Area Stay Armed by Keyswitch	Area (A or B) has been stay armed via a keyswitch
Area Stay Armed by Upload/Download	Area (A or B) has been armed via upload/download software
Area Stay Armed by STAY button	Area (A or B) has been stay armed via the keypads quick arm function
Area Stay Armed by Pendant	Area (A or B) has been armed via a radio pendant
Area Stay Armed by User	Area (A or B) has been armed via a user code
System Tamper Alarm	Alarm panels tamper alarm has been triggered
System Tamper Alarm Restore	Alarm panels tamper has been restored/sealed
Pendant-TX Battery Low	Smart radio pendant battery is low
Pendant-TX Battery Low Restore	Smart radio pendant battery is back to operating voltage
Pendant-TX Panic Alarm	A remote pendant has triggered the alarms panic function
Pendant Deleted	A remote pendant has been deleted via installer programming
Learning Pendant	A new remote pendant has been added via installer programming
Pendant-TX Panic Alarm Restore	A panic triggered via a remote pendant has been restored
Walk Test On	Zone walk test mode has been initiated via installer programming
Zone Alarm Activation	Alarm panel has gone into full activation
Zone Alarm Restore	Alarm panel has been restored/no longer in alarm
Zone Bypass Re-Instated	A bypassed zone has been reinstated
Zone Bypass	A zone has been manually bypassed
Zone Stay Alarm	The alarm panel has gone into stay mode alarm activation
Zone Stay Alarm Restore	A stay arm activation has been restored
Zone Tamper Alarm	A zone has gone into alarm activation
Zone Tamper Alarm Restore	A zone tamper has been restored and is no longer in activation

# Your keypad options



EC-KP B



EC-KP W

## EC-KP

- Multiple display/sleep options
- Aligns with many light switch plates
- Adjustable brightness & beep tone
- Simple surface mount installation
- Compatible with multiple alarm types
- Supports traditional 'address' programming

## EC-TOUCH

- Intuitive graphic user interface
- 5" touch display
- Sharp 800 x 480 pixels
- Simple surface mount installation
- Built in SD port for custom images
- SD card included



EC-TOUCH W



EC-TOUCH B



EC-LCD



EC-LCD PROX

## EC-LCD

- Slim profile with Informative English text
- Quick arm & stay arm buttons
- Adjustable white backlight
- Control button for lights, gates & more
- Built-in prox reader (only EC-LCD PROX) for quick operation
- EC programming directly from EC-LCD & PROX
- Low power consumption
- UV stabilised plastics

# Innovative Security & Control

## Proudly New Zealand Designed & Manufactured

Arrowhead Alarm Products was established in 1986 with a philosophy to provide top quality security equipment with an emphasis on expert back up and support. The Elite security & control system is designed and manufactured in our purpose built facility located in Highgate, Silverdale Industrial Park.

On-site we have a specialised team of software and hardware engineers complimented by our lead free high speed pick and place manufacturing plant and multi stage quality control system. Each and every product we manufacture is also tested in house. This start to finish process makes us so confident that we put a 5 year warranty on every product we build. Our exclusive on-line technical support library and factory trained engineers provide unprecedented support for our loyal technicians.



*Making every home & business smart, safe & secure*