Manuals+ — User Manuals Simplified.

EliteControl ESL-2 Alarm System Kit User Manual

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EliteControl ESL-2 Alarm System Kit

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Simple Programming

Entering Installer mode
I<P-ICON-OEM
Press 'PROG' followed by your installer code (default – 000000), then press 'ENTER'. You should now see 'IPGM' on the Keypad

EC-TOUCH
Press 'Settings', followed by your installer code (default – 000000), then press the tick icon to confirm
Now press 'Setup Wizard' & follow the programming prompts

Exiting Installer Mode
I<P-ICON-OEM – Press 'PROG' followed by the 'ENTER' button
EC-TOUCH – Complete the 'Setup Wizard' to return to the home screen

Changing/ Adding User Codes

- The ESL-2 panel has the ability to store up to 39 user codes

- User codes can be anywhere from 1 to 6 digits long

- User codes are programmed at Address 1 & then entered into slots from 1 to 39. Examples of slots 1 to 3 shown below

- To change user codes you must be in 'Installer mode' or 'Client Mode'

Press 'PROG' 1 'ENTER' then the slot you wish to change i.e. '1', then press 'ENTER'. The Reypad will flash bacR or display the current code (default code is 123). Now enter your new code I.e. 4 5 6 then press 'ENTER' to conArm. The new code (456 for example) will flash bacR or display on the screen

Below are some examples of adding user codes where ·p· represents 'PROG' & 'E' represents 'ENTER'

P 1 E 1 E [ ][ ][ ][ ][ ] E (This is the master code default = 123)
P 1 E 2 E [ ][ ][ ][ ][ ] E
P 1 E 3 E [ ][ ][ ][ ][ ] E
                          ⟶ User Code
                          ⟶ User Slot Number
                          ⟶ Address

Changing Installer code
There is only one installer code which can only be used when the system is disarmed. To change the installer code simply enter installer mode, then press 'PROG' '25' 'ENTER' '1' 'ENTER' and the current code will be displayed. Now enter your new installer code from 1-6 digits and press 'ENTER' to confirm

P 25 E 1 E [ ][ ][ ][ ][ ] E
                          ⟶ Installer Code
                          ⟶ Sub Address
   ⟶ Address

Changing Entry delays
This is how long a sensor gives you to get in and disarm the system after it has been triggered. Each sensor has its own delay from to 9999 seconds. If you have to pass a sensor to get to the Reypad then it must have an entry delay. In installer mode press 'PROG' '144' 'ENTER' then select the zone you wish to change 1-16 and press 'ENTER'. Now enter the new time 0-9999 seconds and press 'ENTER'. The new entry delay time should display on the screen

P 144 E 1 E [ ][ ][ ][ ] E (Default delay for zone 1 = 20 seconds)
P 144 E 2 E [ ][ ][ ][ ] E (Default delay for zone 2 = 0 seconds)
                          ⟶ Entry Delay Time
                          ⟶ Zone Number
                          ⟶ Address

Changing Exit delay
This is how long you have to get out of the premises after 'arming' the system. This time is programmable from 0-255 seconds. In installer mode, press 'PROG' '60' 'ENTER' '1' 'ENTER', now enter the selected time from 0-255 seconds, followed by the 'ENTER' button to confirm

P 60 E 1 E [ ][ ][ ] E (Default time = 30 seconds)

Exit Delay Time
Area
Address
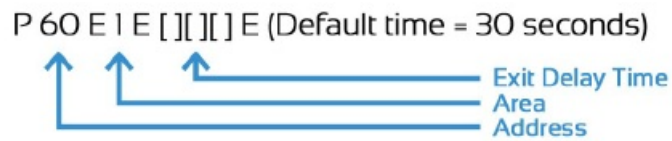
Changing Time. Day & Date

Enter installer Mode

Time
P 26 E 1 E (24hr Time) E
Day
P 26 E 2 E (Day) E – Sunday= 1, Monday= 2, Tuesday= 3, Wednesday= 4, Thursday= 5, Friday= 7, Saturday= 7
Date
P 26 E 3 E (Date) E – DD/MM/VY

System Test
When the programming configuration is complete, a quick test is required to confirm all hardware and software is working correctly. Run through the steps below to make sure the system is operating as required
MaRe sure no one is moving around the house as this could affect the test

1. The keypad should not have any zone lights on. If zone lights are present, ma Re sure:
   - Your wiring is as per page 2
   - The resistors in the sensors are correct – RED. RED, RED, GOLD (unless zone doubling)
   - You have used the 21<2 resistors provided to seal any unused zones
   - That all covers are correctly placed on sensors
2. Sensors Walk Test :-

   Enter install mode as per page 3. Then press P 200 E 6 E E to enter walk test mode. the keypad should start beeping. Now walk in front of each sensor and when you get back to the keypad the zones that are working correctly will permanently display on the keypad. If some sensors aren't working. do the following:
   - Check your wiring is as per page 2
   - Check the resistors in the sensors are correct – RED. RED, RED, GOLD (unless zone doubling)
   - That all covers are correctly placed on sensors
3. Now test all of the user codes

   Start by typing in user code 1 followed by the enter button and the Reypad should start beeping as it arms. Now type user code 1 in again, followed by the enter button and the Reypad should go quiet as it disarms. Repeat this test for all of the user codes you have programmed.

   Are all user codes operating correctly? If not, please revisit 'Changing/ Adding User Codes' on the previous

page

4. Press the ARM button to see if there is enough time to get out of the house before the exit delay beeps stop

   If not you will need to extend the exit delay as per 'Changing Exit Delay' the previous page

5. Now with the system armed. see if you can get back inside to the keypad and disarm the alarm before the sirens go off

   If not you will need to increase the entry delay times as per 'Changing Entry Delays' on the previous page.

6. Make sure the sirens and strobe go off after the entry delay has finished

   Arm the system, wait for the beeps to stop then move in front of a sensor. The Keypad should start beeping again and as soon as the entry delay is Finished the sirens and strobe should go off. Once the sirens have been checked, enter an active user code to disarm the system.

   - Does the external siren worR? If not, recheck wiring as per page 2
   - Does the external strobe work? If not, recheck wiring as per page 2
   - Does the internal siren worR? If not, recheck wiring as per page 2

Once this checklist is complete and successful. the system is ready for use

Complete troubleshooting guide found here:

Smartphone Upgrade (optional)

The 'ESL-2 IoT module & EliteCloud app allow you to control & monitor the 'ESL-2' alarm from your Apple (iOS 14 & above) or Android (Android 10 & above) smart device.

Hardware Connection

- ESL-2 must be powered down before proceeding.
- Plug the 'ESL-2 IoT' directly into the 'ESL-2' control panel (no bus cabling/loom required).
- Supply an internet connection to the 'ESL-2 IoT with an Ethernet cable as shown below:
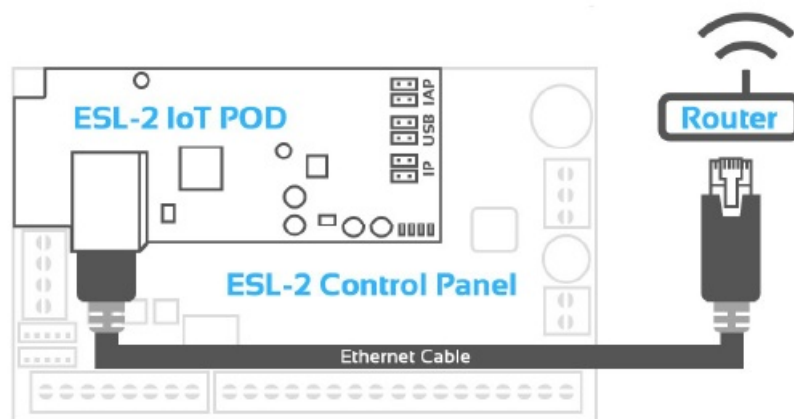
EliteCloud App
Search EliteCloud on your smartphone 'app store' or scan the relevant QR code below:

iOS 14 & Above

Download on the App Store

Android 10 & Above

GET IT ON Google Play

ESL-2 IoT Full Manual
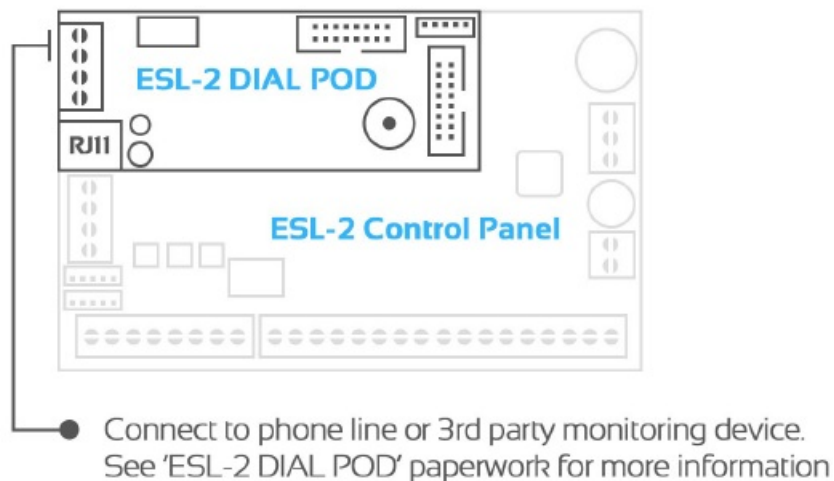
Web Link:
aap.co.nz/esl2iot

It is recommended to use the plastic supports provided to help secure the 'ESL-2 IoT module to the 'ESL2' Web Link: control panel. See complete ESL-2 IoT manual for more information — **aap.co.nz/esl2iot**

Land Line or Third Party Monitoring (optional)
The ESL-2 requires a plug in dialler ('ESL-2 DIAL POD') to connect land line or third party monitoring devices.

Hardware Connection Programming

- ESL-2 must be powered down before proceeding.
- Plug the 'ESL-2 DIAL POD' directly into the 'ESL-2' control panel (no bus cabling/loom required).

Connect to phone line or 3rd party monitoring device.
See 'ESL-2 DIAL POD' paperwork for more information

ESL-2 DIAL POD Full Manual
Web Lin:
aap.co.nz/dialpod

Programming – Enabling Dialler Monitoring:

- 'P' = PROG & 'E' = ENTER
- Enter installer programming – P 000000 E (default)
- Turn on dialler – P 175 E 1 E (turn option 1 ON) E

- Enter 1 or more phone numbers you require the system to dial

P 181 E 5 E (phone number) E phone number 5
P 181 E 6 E (phone number) E phone number 6
P 181 E 7 E (phone number) E phone number 7
P 181 E 8 E (phone number) E phone number 8

- Exit program mode – P then E

  Important for Address P 181 E:

- Phone numbers for 'third-party monitoring' devices need to be programmed into slots 1 to 4.

- Phone numbers for 'landline monitoring' need to be programmed into slots 5-8 as detailed above.

Remote Upgrade (Optional}

Remotes & other wireless devices can be added to the ESL-2 KIT with the additional 'inAnity links transceiver module as detailed below:

Hardware Connection
Connect the inAnity line to the ESL-2 using the ARR14 bus loom provided with each module.

Alternatively, connection can be made using the D, C, 0V & 12V screw terminals liRe any other 'bus device'.

Figure 1
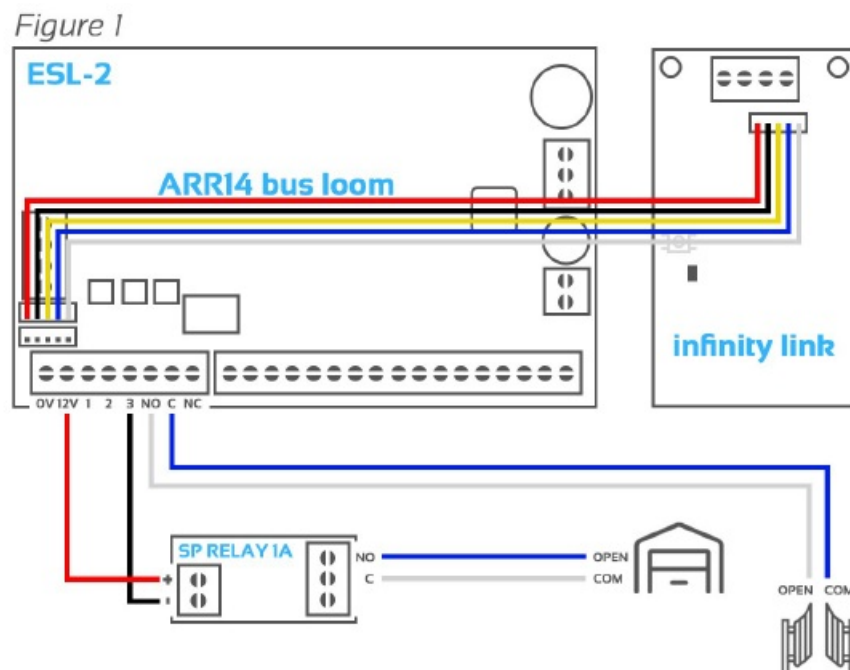
Garage Doors & Gates
Outputs 3 & 4 on the ESL-2 can be wired to garage doors or gates & controlled by remotes, Reypads or the EliteCloud app.
Output 4 is a clean contact so can generaly be wired directly, however output 3 may require a separate relay as shown in 'Figure 1'.

Output Expansion
The ESL-2 supports a maximum of 8 outputs in total. These can be hardwired, wireless or a mixture of both as detailed below:

Hardwired – ESL-OUTPUT

The 'ESL-OUTPUT is a 4 x relay output expander module that plugs into the ESL-2 bus. Scan QR to And out more:

Full Manual

Wireless – infinity output
The 'inAnity output' can be learned
into any of the 8 x ESL-2 outputs for controlling doors, gates & more. Scan QR to And out more:

**infinity remote !tit**

infinity remote kit

It is recommended to default each wireless device before learning into a new system. infinity remote Default Procedure

Press & hold button 1 (shown in 'Figure 2') & the LED will display solid red
As soon as the solid red LED turns off, Reep holding button 1 while pressing button 2, then 4, then 3 in quick succession.

After pressing the last button (button 3), a green LED should display to confirm that the default has been completed successfully.

Status LED

RED = Waiting

GREEN = Successful
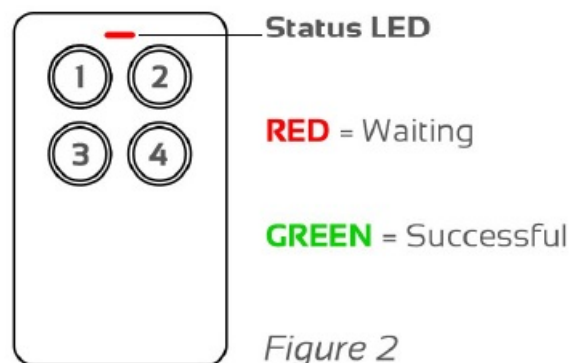
Figure 2

infinity lint? Default Procedure

Press and hold the gold 'Default Button' shown in 'Figure 3' while powering up the unit & continue to hold.
The LED will display solid red and turn green when default is successful
Warning: Defaulting the inAnity link will lose connection with all previously paired products
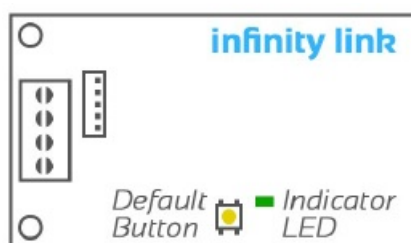
Figure 3

infinity lint? Indication LED
The indication LED shown in 'Figure 3' will illuminate green when receiving a wireless signal & also flash during system learn beeps.

Learning Remotes (consult control panel installation manual for advanced programming)

ESL control panels have pre-conAgured user slots to simplify learning & function of wireless remotes. These are located from users 40 to 89 as shown in the 'Pre-ConAgured User Slots' table below:

- Enter Installer Programming mode as detailed on page 3 of this quicl<At manual.
- Press PROG 18 ENTER followed by the User Number you wish to learn, then ENTER. Next press ENTER again to start the l<eypad beeps, indicating that the system is waiting to learn a remote button.
- Press the remote button you wish to learn and the l<eypad should stop beeping to indicate a successful learn.
- To learn another button, press the right or left arrows on the l<eypad to go to next or previous user slot, then press ENTER, or press PROG then ENTER to exit installer programming_

Pre-Configured User Slots

Arm Users 40 - 49	**Users 40 to 49 will ARM only** **Example:** P 18 E 40 E E *(learn beeps start)* Press the remote button you wish to learn *(learn beeps stop)* **This button will now ARM the system**
Disarm Users 50 - 59	**Users 50 to 59 will DISARM only** **Example:** P 18 E 50 E E *(learn beeps start)* Press the remote button you wish to learn *(learn beeps stop)* **This button will now DISARM the system**
Output 3 Users 60 - 69	**Users 60 to 69 will operate OUTPUT 3 & DISARM at the same time** **Example:** P 18 E 60 E E *(learn beeps start)* Press the remote button you wish to learn *(learn beeps stop)* **This button will now DISARM the system & control output 3 at the same time**
Output 4 Users 70 - 79	**Users 70 to 79 will operate OUTPUT 4 & DISARM at the same time** **Example:** P 18 E 70 E E *(learn beeps start)* Press the remote button you wish to learn *(learn beeps stop)* **This button will now DISARM the system & control output 4 at the same time**
Panic Users 80 - 89	**Users 80 to 89 will operate as a PANIC button** **Example:** P 18 E 80 E E *(learn beeps start)* Press the remote button you wish to learn *(learn beeps stop)* **This button will now perform a PANIC function**

Remote 1 Example (button colours are indicative only)

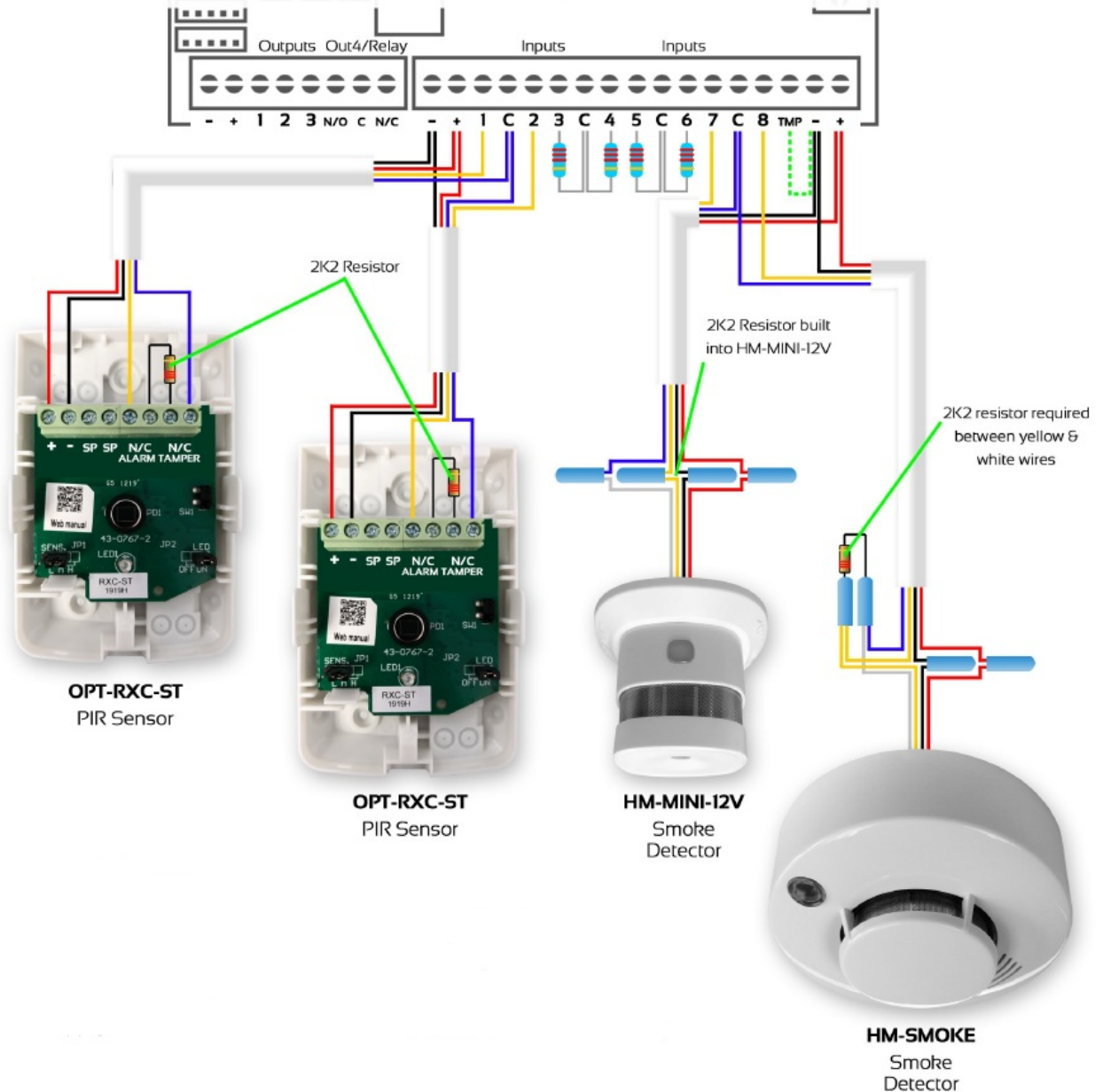**Remote 2 Example (button colours are indicative only)**
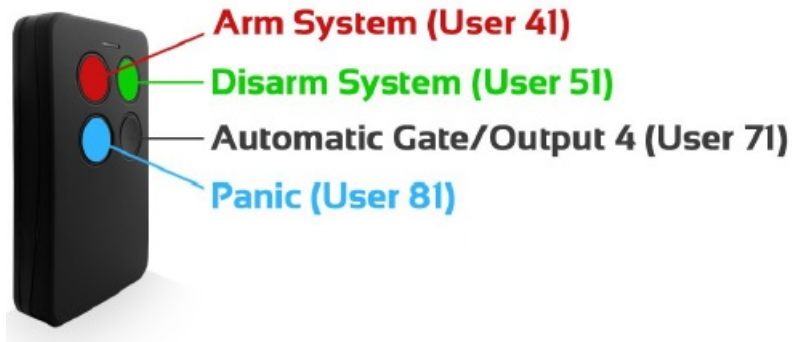
Battery Low Reporting & Haptic Feedback

- P 7 E must be set to option l (Freelink) to enable battery low reporting & for the remote to operate correctly.
- Haptic feedback is disabled when battery is low is reported due to the remote entering power save mode.
  Battery low will be indicated at 2.2V & under

Integrated Smoke Detection (optional upgrade}
12VDC smoke detectors can also be added to the ESL-2 system to monitor Are. See below for some examples:

12VDC smoke detectors can also be added to the ESL-2 system to monitor fire. See below for some examples:

Outputs Out4/Relay   Inputs   Inputs

– + 1 2 3 N/O C N/C   – + 1 C 2 3 C 4 5 C 6 7 C 8 TMP – +

2K2 Resistor

2K2 Resistor built into HM-MINI-12V

2K2 resistor required between yellow & white wires

+ – SP SP N/C N/C
ALARM TAMPER

43-0767-2
RXC-ST
1919H

OPT-RXC-ST
PIR Sensor

+ – SP SP N/C N/C
ALARM TAMPER

43-0767-2
RXC-ST
1919H

OPT-RXC-ST
PIR Sensor

HM-MINI-12V
Smoke Detector

HM-SMOKE
Smoke Detector

Smoke Detector Programming:
You will need to tell the ESL-2 system which zones have smoke detectors wired into them. This is done by making the zone active 24 hours. See below for programming:

- Enter install mode
- Press P 123 E 8 E 5 E – In this example, '8' is the zone you are working on and '5' is the programming option for 24hr Are zone

Below are some examples of ma Ring other zones 24hr Are zones:

- P 123 E 7 E 5 E - This would make zone 7 a 24hr fire zone
- P 123 E 5 E 5 E - This would make zone 5 a 24hr fire zone

'5' Represents 24hr Fire Zone at Address 123. See Full Manual For More Information (link on next page)
Zone Number
Address

Scan the QR or visit the link below for more ESL-2 related manuals
Web Link: **www.aap.eo.nz/esl2**

Cabinet & Transformer Specifications & Installation

This product is to be installed by a Skilled person· and must have training or experience in this equipment technology_ A skilled person is expected to use their training or experience to identify energy sources that may cause pain or injury and take appropriate action to prevent unintentional harm to themselves & others

Specifications

Manufacturer	Arrowhead Alarm Products Ltd
Product Name	EC-CAB IA
Transformer Input Voltage	230- 250VAC
Rated Current	150mA
Frequency	50Hz
Transformer Output Voltage	17VAC
Transformer Output Current	1.4A
Fuse	250mA, 5 x 20mm Slow Blow
Cabinet Material	ABS
Environment	-20°C – 60°C,10% – 90% Relative Humidity
Dimensions:	W323 x H293 x 087mm
Max Weight incl 12V 7.SA Battery	3.9Kg
Fixings	Lid, cabinet & circuit boards screws

Mounting Location
Mount in a secure location, ideally out of sight & out of reach

This product is IPX0 & therefore is designed for internal applications only
MaRe sure cabinet vents are clear of any potential obstructions. This includes linen & insulating material
Where possible, do not mount in a ceiling cavity or area that is likely to exceed 50°C

Strain Relief Mechanism
This cabinet includes a strain relief mechanism which must be used for both Axed & portable applications

This cabinet includes a strain relief mechanism which must be used for both fixed & portable applications

First remove mechanism by breaking the tab shown here

Once removed, place the strain relief mechanism over the 230V cable & fix using the screws provided as shown

Make sure the sheath or jacket of the 230V cable extends at least one-half the diameter of the cord or cable past the strain relief mechanism shown here

We also recommend installation of a disconnect device or isolator switch near the alarm cabinet for safety & servicing purposes
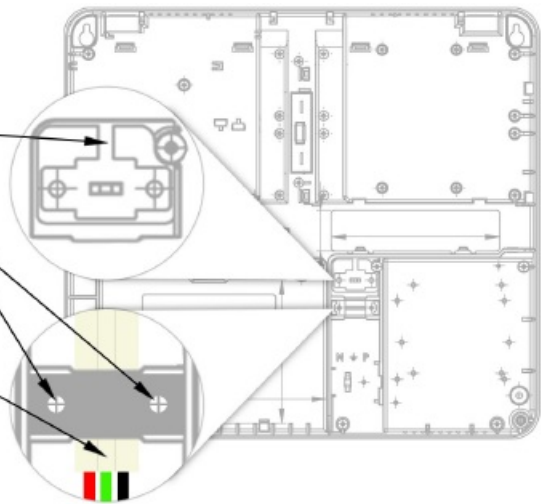
Securing The Cabinet & Baek Up Battery

- All SLA (sealed lead acid) batteries that are mounted in this cabinet must be secured using the 2 x cable tie locations provided
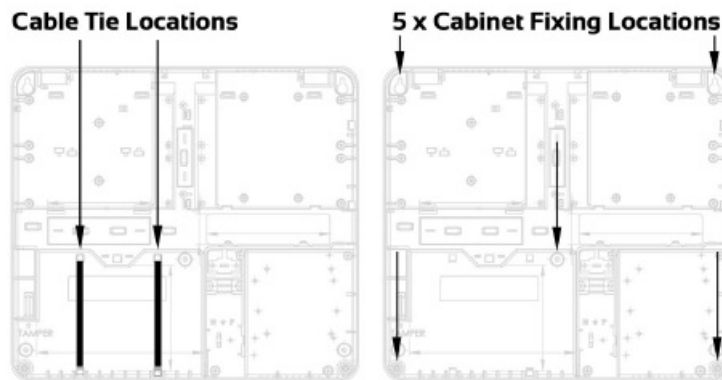
Manufactured by AAP Ltd **www.aap.co.nz**

Documents / Resources

EliteControl ESL-2 Alarm System Kit [pdf] User Manual
ESL-2, Alarm System Kit, ESL-2 Alarm System Kit