QUICKFIT

INSTALL HOOK-UP SHEET

FOR

ESL KIT

NEW 8 INPUT MODEL

Arrowhead Alarm Products Ltd

"BUY N.Z. MADE"

REV 2.01 OP

PROGRAMMING STARTS

Entering Installer mode

If you want to get into program mode press **<PROGRAM>** followed by your installer code, default set to **000000** and **<ENTER>** to confirm.

Exiting Installer Mode

Press the **<PROGRAM>** button, then **<ENTER> .**

Changing/Adding user codes

The panel has the ability to have up to 100 user codes. They can have a **1 to 6 digit** code. User Codes are stored in at Address 1, slots 1 to 100. To change codes you must be in Installer or Client mode, then press **<PROGRAM> <1> <ENTER>** then the slot you wish to change i.e. **<1>** and then **<ENTER>,** the keypad will flash back the existing code (default code is 1 2 3). Now key in your new code i.e. (4 5 6) and press <**ENTER**> the new code will be then flash back.

P 1 E 1 E [ ][ ][ ][ ][ ][ ] **E** (This is the master code default code= 123)
P 1 E 2 E [ ][ ][ ][ ][ ][ ] **E**
P 1 E 3 E [ ][ ][ ][ ][ ][ ] **E**
P 1 E 4 E [ ][ ][ ][ ][ ][ ] **E**
P 1 E 5 E [ ][ ][ ][ ][ ][ ] **E**
P 1 E 6 E [ ][ ][ ][ ][ ][ ] **E**
P 1 E 7 E [ ][ ][ ][ ][ ][ ] **E**
P 1 E 8 E [ ][ ][ ][ ][ ][ ] **E**
P 1 E 9 E [ ][ ][ ][ ][ ][ ] **E**
P 1 E 10 E [ ][ ][ ][ ][ ][ ] **E**

Changing Installer code

There is only one installer code, this is for you to remember. As default it is 000000.
You must be in Installer mode to change the code, press **<PROGRAM> <25> <ENTER> <1> <ENTER>** (then put in your new code) and **<ENTER>**.

P 25 E 1 E [ ][ ][ ][ ][ ][ ] **E**

Changing Entry delay's

Zone 1 is set at 20 seconds by default.
This is how long the panel gives you to get in and disarm it after a sensor has been tripped.
Each sensor has its own delay from 0 to 9999 seconds. If you have to pass a sensor to get to the keypad then it should have a delay. In Installer Mode press **<PROGRAM> <144> <ENTER>** (then select the zone you wish to change **1-8**) and **<ENTER>** (then put in the new time **0-9999**) and **<ENTER>.**

P 144 E 1 E [ ][ ][ ][ ] E (zone 1 default delay is 20 seconds).
P 144 E 2 E [ ][ ][ ][ ] E (zone 2 default delay is 0 seconds).

Changing Exit delay

This is how long you have to get out of the house before the panel goes into alarm mode.
You can have from 0 to 255 second selected below. In Installer Mode press **<PROGRAM> <60> ENTER <1> <ENTER>** (then put in the new time **0-255**) and **<ENTER>.**

P 60 E 1 E [ ][ ][ ] E (the default time is 30 seconds).

Output Reset Times

This is how long the sirens will sound before turn off automatically. Time is in seconds.
In Installer Mode press **<PROGRAM> <40> <ENTER>** (then the output you wish to change **1** or **2**) and **<ENTER>** (now put in the new reset time **0-9999**) and **<ENTER>**.

P 40 E 1 E [ ][ ][ ][ ] E (output 1 default reset time is 300 seconds).
P 40 E 2 E [ ][ ][ ][ ] E (output 2 default reset time is 300 seconds).

TESTING

When you have finished the programming options, a quick test is required to confirm all hardware and software is working correctly.
Run through the steps below and tick the box if it operates successfully.
Make sure no one is moving around the house, as this could affect the test.

1. The keypad should not have any zone lights on. The ready light should be on steady.
***Are all the lights right*?** yes ☐ **if no** there could be a wiring problem check your work.

2. Get someone else to walk in front of the sensors, the corresponding zone 1 or 2 should come on.
Do they come on at the right time? yes ☐ **if no** there could be a wiring problem check your work.

3. Now test all the user codes. Start by typing in user code 1 followed by enter, the keypad should start beeping as it arms, then type it in again, the keypad should go quiet as it disarms.
Repeat this test for all user codes.
Do all of the codes arm and disarm the panel? yes ☐ **if no** go back and check the user code slots, to see weather the right codes has been entered.

4. Next to press the ARM button, to see if there is enough time to get out of the house, before the exit delay beeps stop.
Can you get out before the beeps stop? yes ☐ **if no** you will need to extend the exit delay.

5. Now with the panel ARMED see if you can get back inside to the keypad and disarm the alarm before the sirens go off.
Can you disarm before the sirens go off? yes ☐ **if no** you will need to increase the entry delay times.

6. The final test is to make sure the **sirens and strobe** go off after the entry delay has finished. So arm the alarm, 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 up the sirens and strobe will go off, once checked enter a user code to disarm and turn of the sounders.
Does the external siren work? yes ☐
Does the external strobe work? yes ☐
Does the internal siren work? yes ☐ **if no** to any of these check wiring and polarity of devices.

The alarm panel is now ready for general use

Are you happy with the installation?

yes ☐

Sign here. _____ Date. __/__/__

Having Trouble getting the system working?
Try our trouble shooting guide
This QR Code will link you to it

DIALLER SETUP - FOR MONITORING STATION

Your Elite S-Lite Controller is equipped with an on board dialler, capable of communicating in contact id.
If you are required to connect to a central monitoring station you will need to complete the following steps.
Contact a monitoring station of your choice, they will issue you an account number and telephone number.

Name of monitoring station_____ Contact phone number_____
Your Account number [ ][ ][ ][ ]
Telephone number 1 [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]
Telephone number 2 [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] (this is optional)

Step 1: Connect across the incoming phone line between the street and the first jack point.

Step 2: Enable the dialler. In Installer Mode press **<PROGRAM> <175> <ENTER> <1> <ENTER>** (then turn ON option 1) and **<ENTER>.**
P 175 E 1 E 1 E

Step 3: Account number. In Installer Mode press **<PROGRAM> <62> <ENTER> <1> <ENTER>** (then put in the 4 digit account number) **<ENTER>.**
i.e. **P 62 E 1 E 1234 E** (the new account code would be 1234)

Step 4: Phone number 1, In Installer Mode press **<PROGRAM> <181> <ENTER> <1> <ENTER>** (now key in your given phone number 1) and **<ENTER>.**

I.e. **P 181 E 1 E 095551234 E** (the new phone number 1 would be 095551234)

Phone number 2, In Installer Mode press **<PROGRAM> <181> <ENTER> <2> <ENTER>** (now key in your given phone number 2) and **<ENTER>.**

I.e. **P 181 E 2 E 095554321 E** (the new phone number 2 would be 095554321)

Step 5: Prepare for dialler test. First we will temporarily disable sounders. In Installer Mode press **<PROGRAM> <25> <ENTER> <9> <ENTER> <1> <2> <ENTER>** (outputs 1 & 2 have been disabled until an Arm cycle has taken place).

P 25 E 9 E 1 2 E

Step 6: Exit program mode by pressing and holding **<PROGRAM>**

Step 7: Testing. Press the **<ARM>** button the exit delay will start. When it stops walk in front of each detector, then go back to the keypad to see if LED's 1 & 2 are now flashing and the keypad is squealing. As soon as the entry delay has finished, the panel should start dialling out. You wont be able to hear it dial out, but if you pick up a phone in the house it should not have a dial tone. Leave the panel for about 2 minutes then key in a user code **i.e. <1 2 3>** followed by **<ENTER>.** The panel should now be disarmed.

Step 8: Confirming. Now contact the monitoring station and ask them if they received 3 different monitoring messages from your account code. They should be:
Alarm activation on zone 1.
Alarm activation on zone 2.
Alarm restored.

Dialler Setup is Complete

DIALLER SETUP - FOR PERSONAL MONITORING

If you have an Analogue telephone line connected to the panel, the built-in Domestic Dial option can be chosen. In Domestic Dial the Alarm will call a cellphone or land-line and play a siren tone down the line in the event of an alarm activation. The call then needs to be acknowledged by pressing the # key on the phone hand set.
The ESL control panel has 4 telephone number slot (5 to 8) setup and ready for Domestic Dial.

Note. Do Not use number slots 1,2,3 or 4 these are for Monitoring station use only

Telephone number 5 [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] (domestic dial slot 1)
Telephone number 6 [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] (domestic dial slot 2)
Telephone number 7 [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] (domestic dial slot 3)
Telephone number 8 [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] (domestic dial slot 4)

Step 1: Connect across the incoming phone line between the street and the first jack point.

Step 2: Enable the dialler. In Installer Mode press **<PROGRAM> <175> <ENTER> <1> <ENTER>** (then turn ON option **1**) and **<ENTER>.**
i.e. **P 175 E 1 E 1 E**

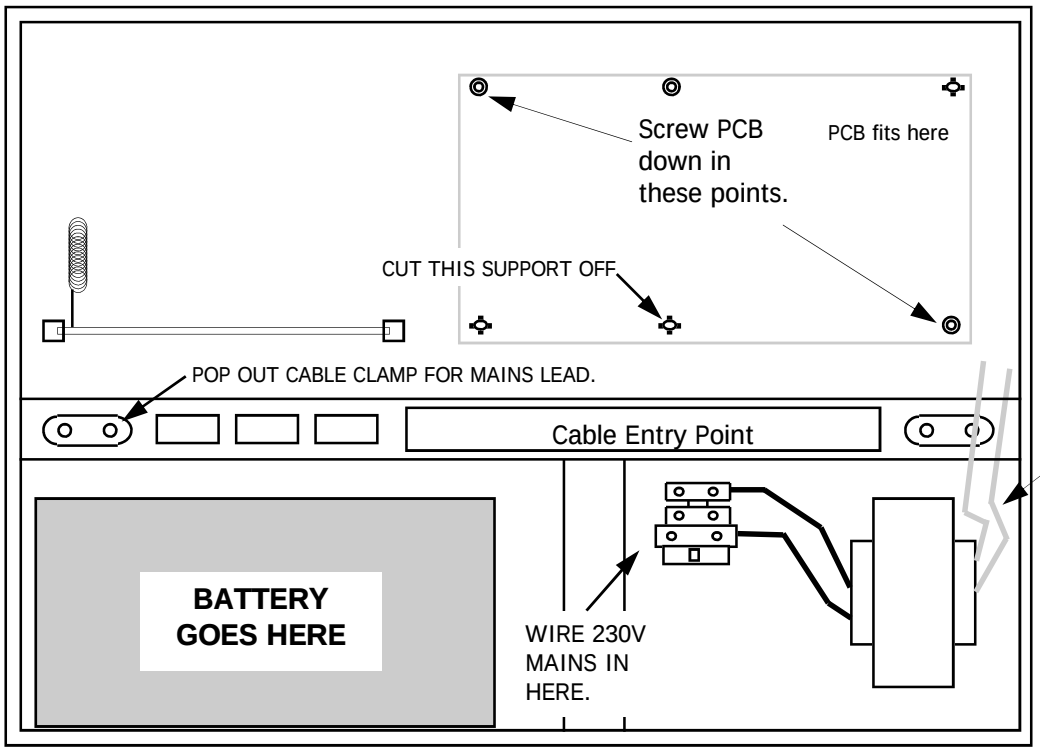
Step 3: Adding Phone Numbers, In Installer Mode press **<PROGRAM> <181> <ENTER> <5-8> <ENTER>** (now key in your phone number) and **<ENTER>.**
P 181 E 5 E [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] **E**
P 181 E 6 E [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] **E**
P 181 E 7 E [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] **E**
P 181 E 8 E [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] **E**
i.e. **P 181 E 5 E 021555123 E** (the first domestic dial phone number would be 021555123)

Step 4: Exit program mode by pressing and holding **<PROGRAM>**

Step 5 : Testing. With the phone learnt into slot 1 on hand, Arm the panel and wait for the exit delay to finish. Then walk in front of a PIR, the entry delay should start, followed by the sirens sounding. Disarm the panel to make the sirens stop. The phone should now be ringing, answer it and listen. A siren tone should play for 3 seconds on 2 seconds off. While the tone is off press and hold the # key to acknowledge the call, the alarm panel will then hang up. (if the # key will not hang up the panel try a different key)

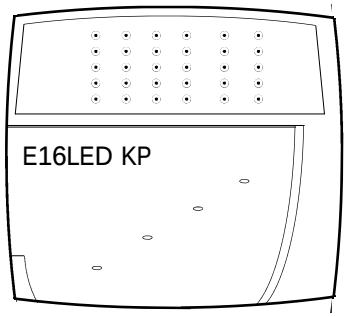
What a more advanced personal monitoring option?
Follow this QR Code link for our
Smart Phone App Option

HARDWARE CONFIGURATION

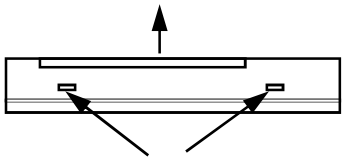


INSIDE VEIW OF PLASTIC CABINET

Removing back from keypad.



End view of
Keypad



Carefully slide a flat blade screwdriver
into slots to remove back.

5 Year Warranty

Thank you for purchasing another quality Arrowhead Product.
We guarantee to replace or repair Arrowhead Manufactured product found to be faulty due to defective materials or workmanship for a period of 5 years from date of purchase.

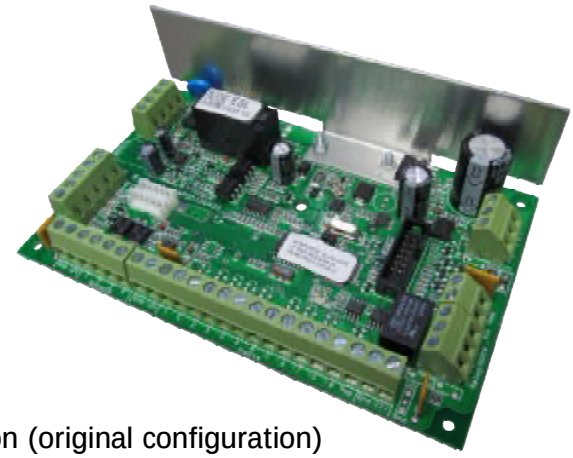
The customer shall as soon as practicable after the discovery of any such defect or fault, return the goods or defective parts thereof, to Arrowhead Alarm Products.
Freight to and from our stores is your care.

The company shall not be liable for any direct or consequential loss or damage attributed to the fault.
Nor shall the company be liable for any personal injury of any kind attributable to the fault.
The customer will keep the company indemnified against any such claim.

Any attempt by the customer to repair the goods with out written permission by the company could void the Warranty.

New ESL Control Board

The ESL Control board is a combination of both Elite-S and Elite-S Lite Boards.
The new board has a completely new default configuration, making installation fast, smarter and with less chance of error.



Hardware:
8 x Hardwired Zone Inputs
Still with the ability to Zone Double to 16
4 x Open Collector Outputs (Negative Switching)
1 x Relay Output (Clean 1A NO & NC Contacts)
3 x Individually Fused 12 Volt Outlets
All with Fuse Monitoring

Default Programming Configuration:
User Groups
- Slots 1 to 39 are for standard Pin Code operation (original configuration)
- Slots 40 to 49 are for Radio pendants desired to Arm only
- Slots 50 to 59 are for Radio pendants desired to Disarm only
- Slots 60 to 69 are for Radio pendants desired to Disarm and Activate Output 3
- Slots 70 to 79 are for Radio pendants desired to Disarm and Activate Output 4
- Slots 80 to 89 are for Radio pendants desired to Cause an Instant Panic
- Slots 90 to 99 are configured for the TRX MAINS control
- Slot 100 has been setup as a special Installer User Code location

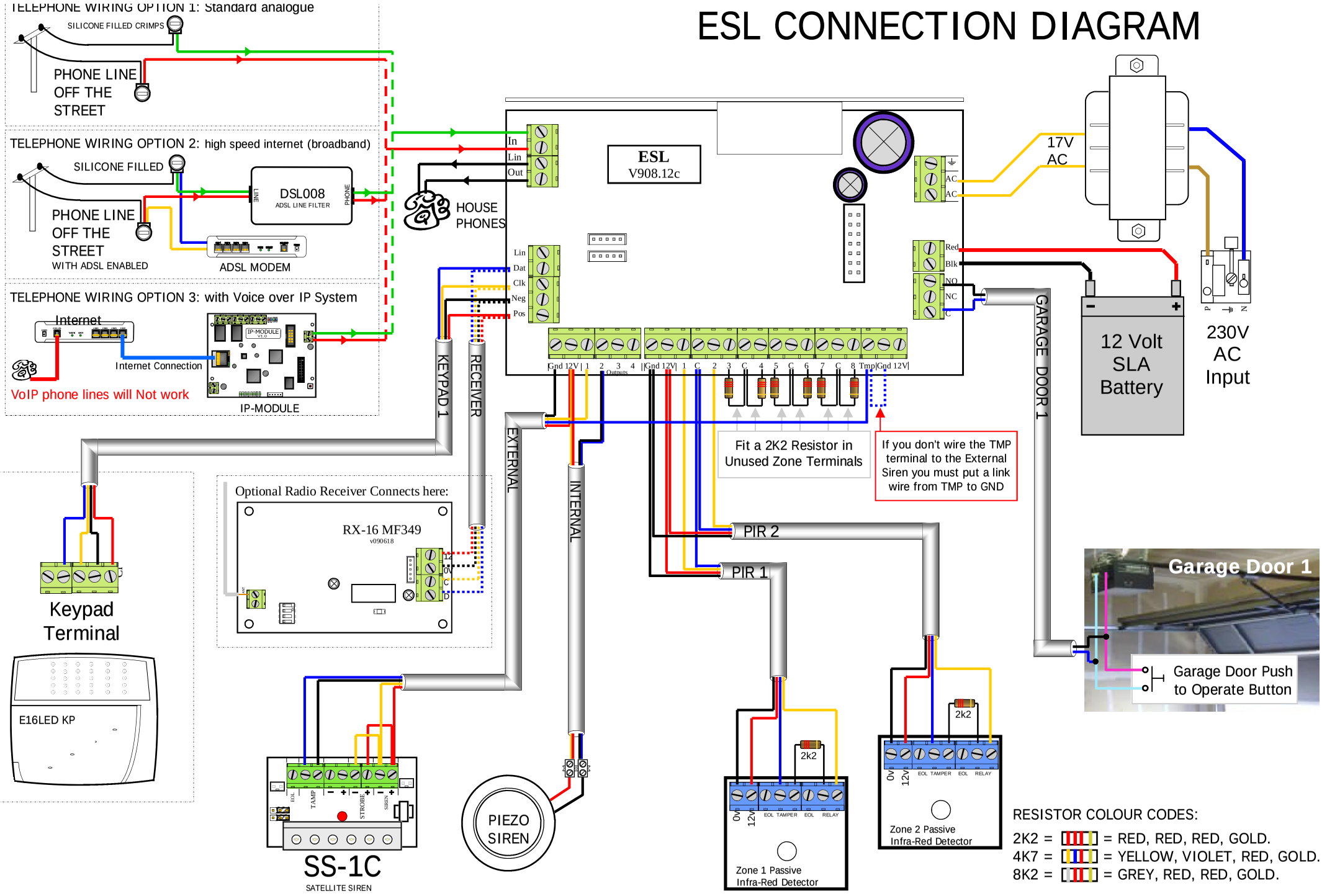
Outputs
- 1 & 2 are as before for Internal and External Sirens, 300 second reset time
- 3 & 4 have been Linked for User and App control, 2 second reset time
- 5 to 8 are ready for User & App control and linked to KP, 5second reset time

Zones
- 1 to 8 are Hardwired Enabled zones, all Stay mode ready
- 9 to 16 are Wireless Enabled zones, all Stay mode ready

Keypads
- 1 & 2 both these keypads give entry delay beeps
- 3 to 8 have been linked to thier corresponding Output for access control
- 8 has also been setup for full App Control for Outputs 3 to 8 (as IP-Module = KP8)

Phone Numbers
- 1 to 4 these slots are for CID reporting (monitoring station or IP-Module/ESL APP KIT)
- 5 to 8 these slots are for Domestic reporting and only have 2 max. retry's set

ESL CONNECTION DIAGRAM



RESISTOR COLOUR CODES:

2K2 = [■■■■] = RED, RED, RED, GOLD.
4K7 = [■■■■] = YELLOW, VIOLET, RED, GOLD.
8K2 = [■■■■] = GREY, RED, RED, GOLD.