

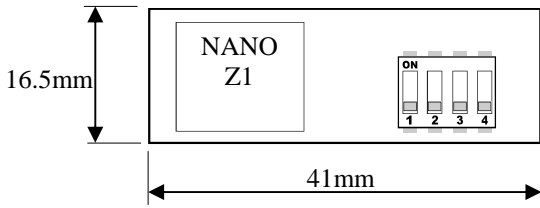
# NANO-Z1 INSTRUCTIONS

Single zone expander module for ESL and ESX systems.

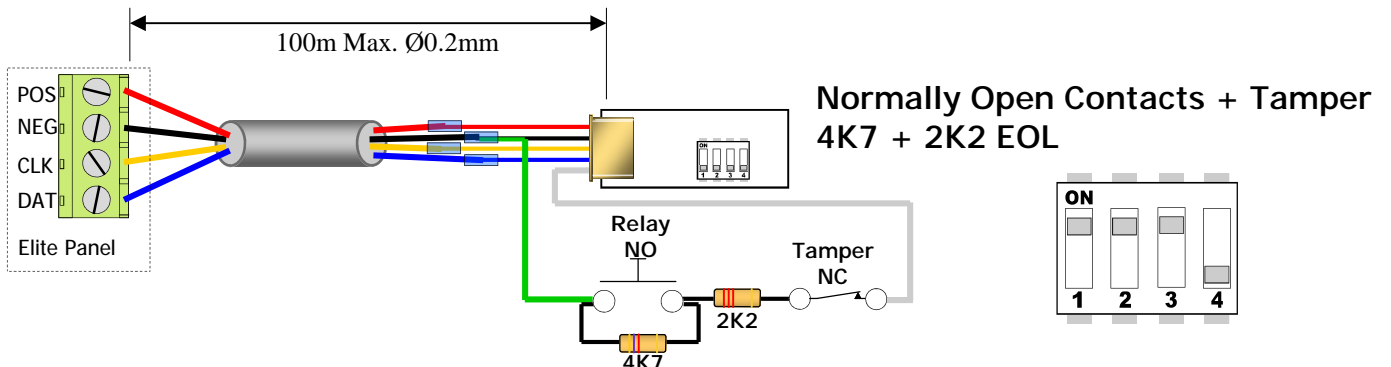
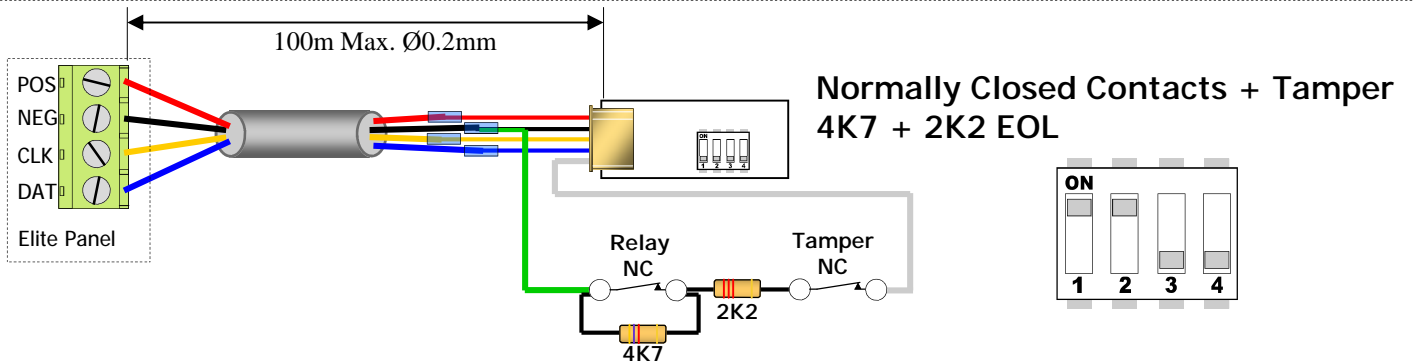
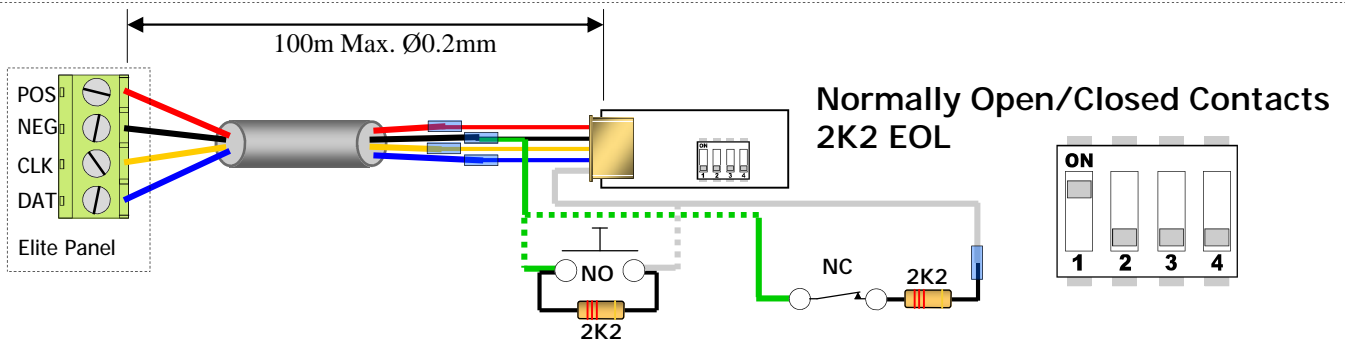
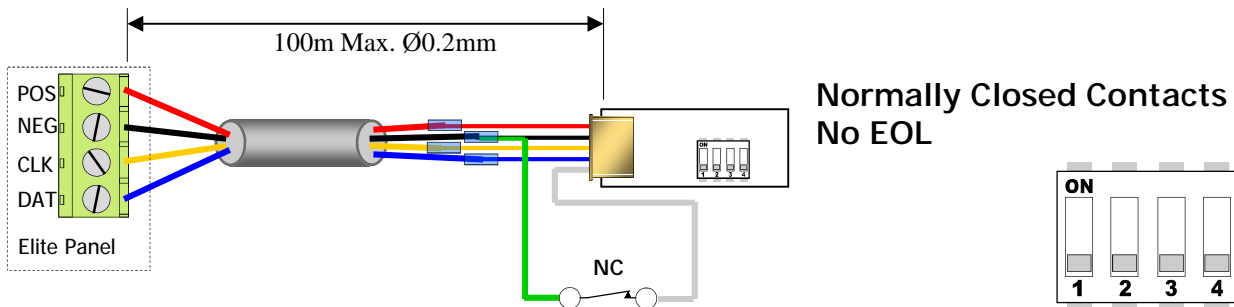
This device allows you to add detectors directly onto the Elite systems keypad bus.

Each device takes up 1 radio zone slot. Multiple devices can be connected on one system.

Its small size allows it to be installed inside a PIR.



PIN	COLOUR	FUNCTION
1	Red	+12VDC In
2	Black	-0VDC
3	Yellow	Clock
4	Blue	Data
5	White	Input



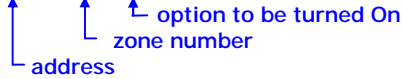
# Programming:

For ESL & Elite-S follow <?> (in Green). For ESX follow <?> (in Red).

## Zone Assignment

For a NANO-Z1 to work on the Elite system, you need to select a spare zone slot, Enable it and tell it to be a Radio Zone. This is done at address 122. In Installer mode press <PROGRAM> <122> <ENTER> then choose the zone <1-16><1-64> and <ENTER>, now turn ON options <1> and <5> then <ENTER>.

i.e. P 122 E 7 E 5 E (zone 7 is now ready to be Enrolling).

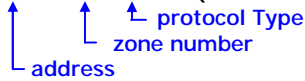


Note. Zones <9-16> on an ESL are already configured for a NANO-Z1 to be enrolled.

## Zone Protocol

The NANO-Z1 communicates in the Freelink/Freewave Protocol. Before you Enroll the device, make sure the protocol is set correctly. This is done at address 127. In Installer mode press <PROGRAM> <127> <ENTER> then select the zone <1-16><1-64> and <ENTER>, now choose either type <3> or <4> and <ENTER>.

i.e. P 127 E 7 E 3 E (zone 7 is now on the Supervised Freelink protocol).



Type 3 =	Freelink with Supervised (monitors device) <i>recommended</i>
Type 4 =	Freelink Non Supervised <i>default on ESL &amp; ESX</i>

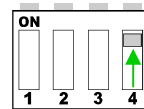
## Zone Enrolling

With the NANO-Z1 connected to the Keypad bus, you can now Enroll it into the Zone you have setup. This is done at address 164. In Installer mode press <PROGRAM> <164> <ENTER> then select the zone <1-16><1-64> and <ENTER> <ENTER> Now turn Dipswitch 4 On (this should stop the KP beeping)

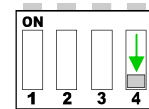
i.e. P 164 E 7 E E (the device should now be learnt into zone 7).



Note. After device is learnt in turn Off Dipswitch 4.

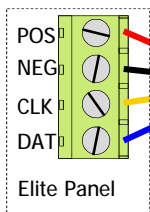


Dip 4 On to Learn/Find

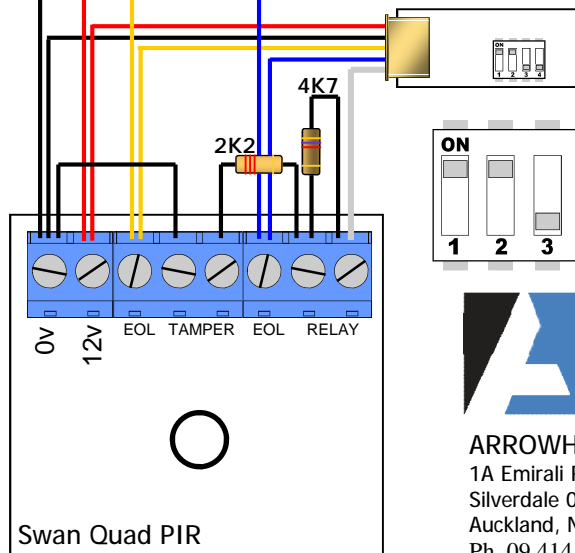


Dip 4 Off to Use

## Recommended Example:



Normally Closed Contacts + Tamper  
4K7 + 2K2 EOL



### Specifications.

- Operating voltage: 9-16 VDC
- Current Draw: 15mA (plus detector)
- Cable Run: 100m max. (.2mm 4C)
- Communication Protocol: Freelink
- Dimensions: 43 x 16.5 x 10mm



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