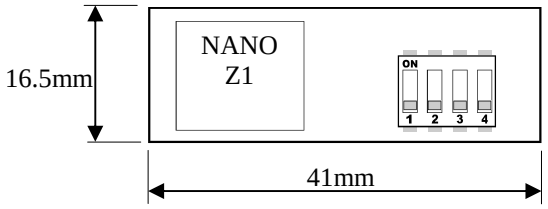
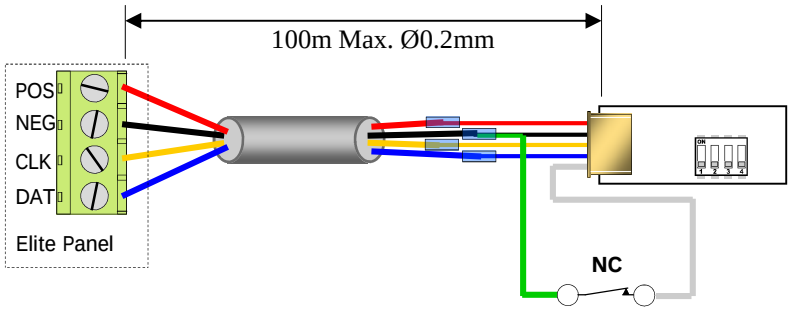
NANO-Z1 INSTRUCTIONS

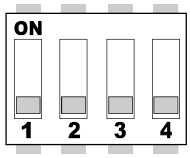
Single zone expander module for ESL and ESX systems.
This device allows you to add detectors directly onto the Elite systems keypad bus.
Each device takes up 1 radio zone slot. Multiple devices can be connected on one system.
Its small size allows it to be installed inside a PIR.

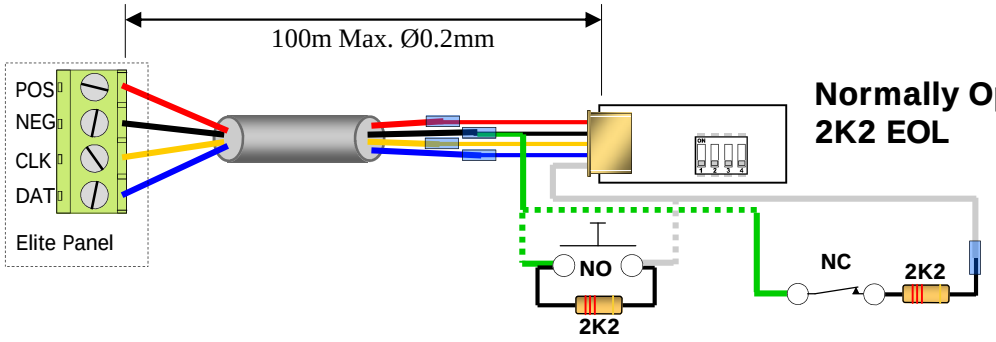


PIN	COLOUR	FUNCTION
1	Red	+12VDC In
2	Black	-0VDC
3	Yellow	Clock
4	Blue	Data
5	White	Input

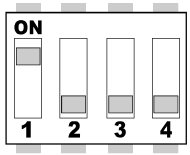


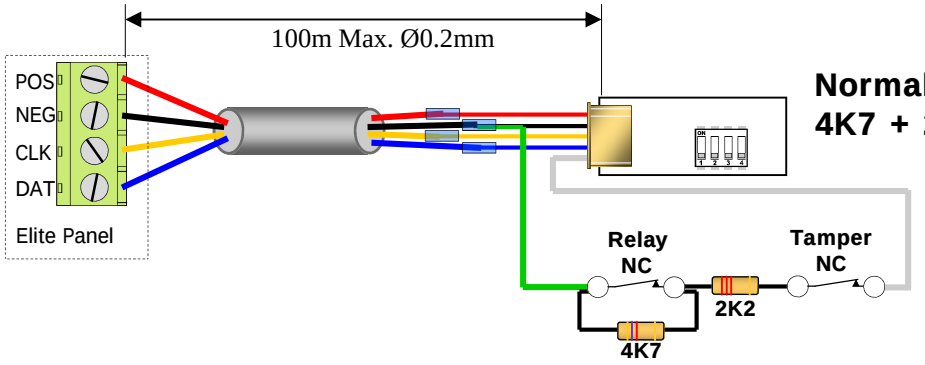
Normally Closed Contacts
No EOL



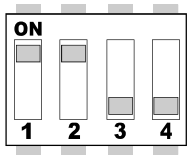


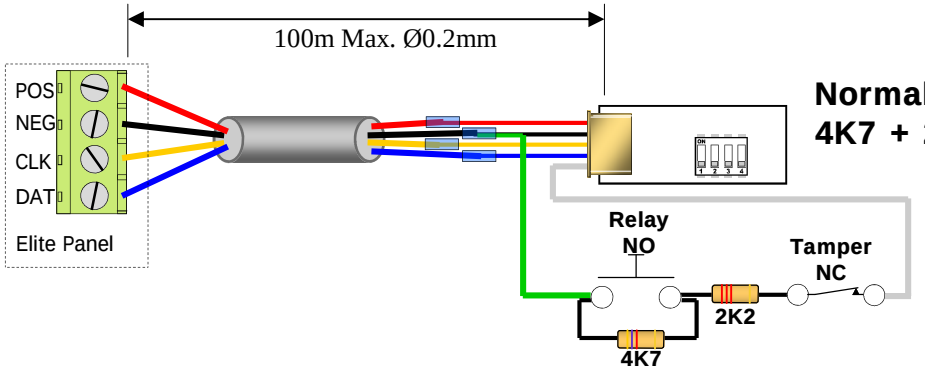
Normally Open / Closed Contacts
2K2 EOL



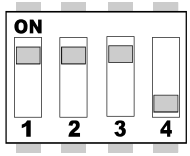


Normally Closed Contacts + Tamper
4K7 + 2K2 EOL





Normally Open Contacts + Tamper
4K7 + 2K2 EOL



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).

- address
- zone number
- option to be turned On

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).

- address
- zone number
- protocol Type

Type 3 =	Freelink with Supervised (monitors device) *recommended*
Type 4 =	Freelink Non Supervised *default on ESL & ESX*

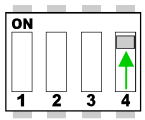
Zone Enrolling

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)

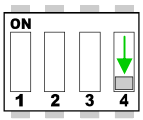
i.e. **P 164 E 7 E E** (the device should now be learnt into zone 7).

- address
- zone number

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

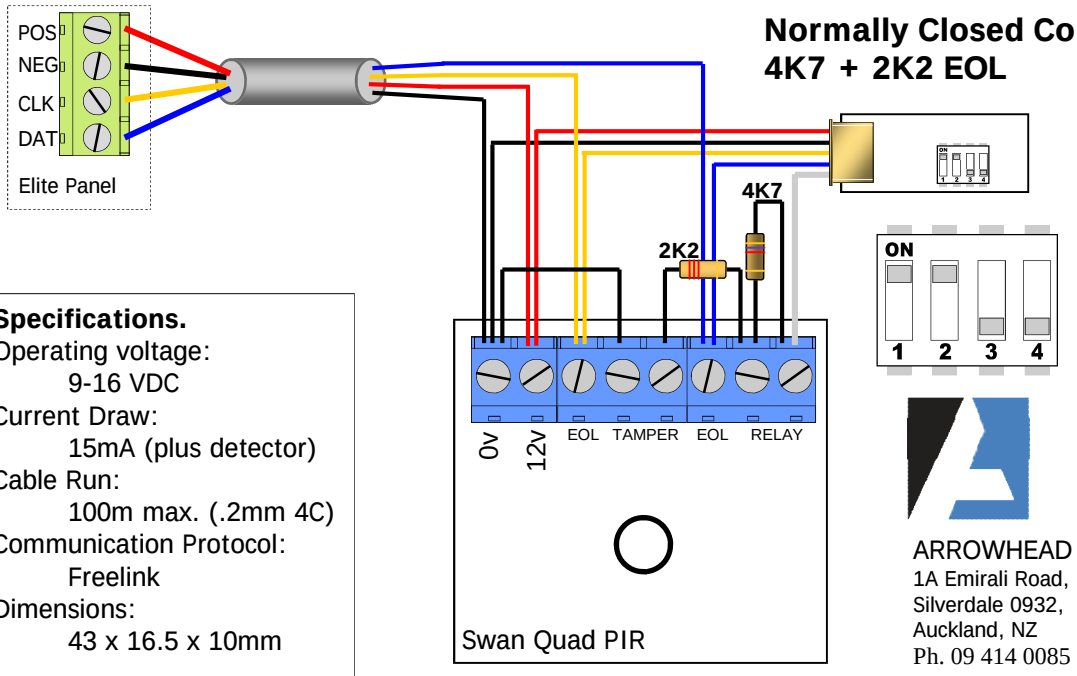


Dip 4 On to Learn/Find



Dip 4 Off to Use

Recommended Example:



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

Arrowhead Alarm Products

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