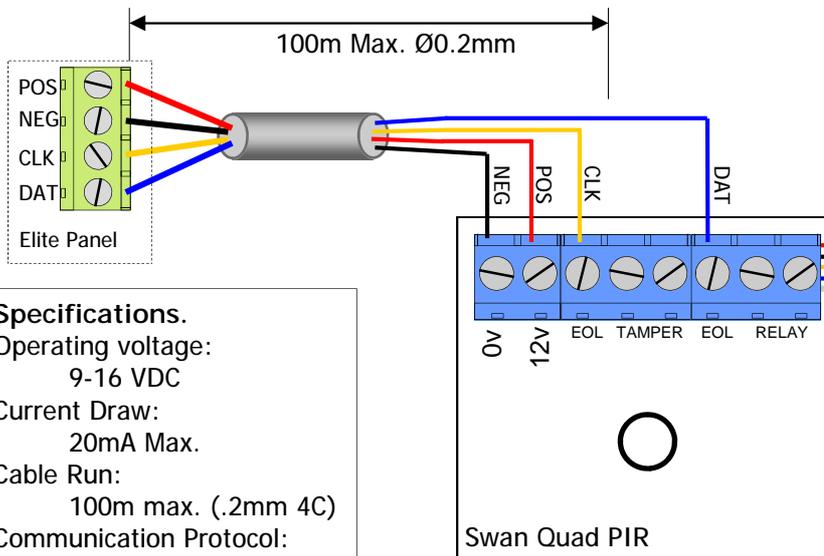


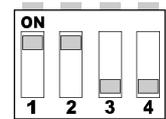
NANO-SWAN QUAD INSTRUCTIONS

The NANO-SWAN QUAD features a standard Swan Quad PIR with a small zone expander built inside. This allow the detector to be wired, directly on to the Keypad Bus of an ESL or ESX system. Each device then learns into a zone slot, as a radio device, giving Activity, Tamper and is Monitored. Multiple NANO-SWAN QUAD units can be connected to the same system.

Connection Diagram:



KP Bus	COLOUR	Swan Quad
+12VDC In	Red	+
-0VDC	Black	-
Clock	Yellow	EOL(1)
Data	Blue	EOL(2)



Specifications.

Operating voltage:
9-16 VDC
Current Draw:
20mA Max.
Cable Run:
100m max. (.2mm 4C)
Communication Protocol:
Freelink

Swan Quad with Factory fitted Zone Expander.

*Dipswitch 1 and 2 should be On

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www.aap.co.nz
v1.00



Programming:

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

Zone Assignment

For a Nano Swan Quad 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 Swan Quad to be enrolled.

Zone Protocol

The Nano Swan Quad 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) <i>recommended</i>
Type 4 =	Freelink Non Supervised <i>default on ESL & ESX</i>

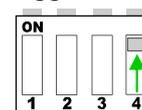
Zone Enrolling

With the Nano Swan Quad 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 or trigger the tamper (this should stop the KP beeping)

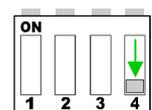
i.e. P 164 E 7 E E (the device should now be learnt into zone 7).

↑ address
↑ zone number

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



Dip 4 On to Learn



Dip 4 Off to Use