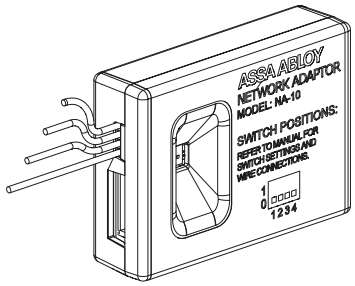
Elevation Network Adaptor
Installation Instructions

Q50074-121 Issue 2 0421



Items Supplied

- Network Adaptor
- 6 Pin Cable
- Terminal Resistor Blocks (x2)
- Serial Number Label

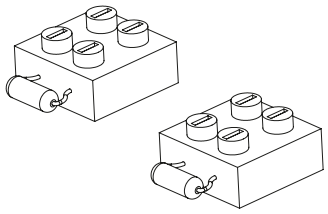
Tools Required

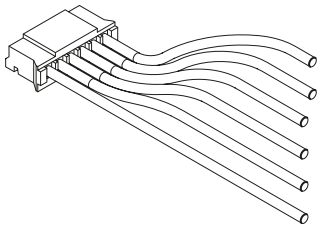
- Hobby Knife
- Small Screwdriver
- Long Nose Pliers
- Wire Strippers

Serial Number Label

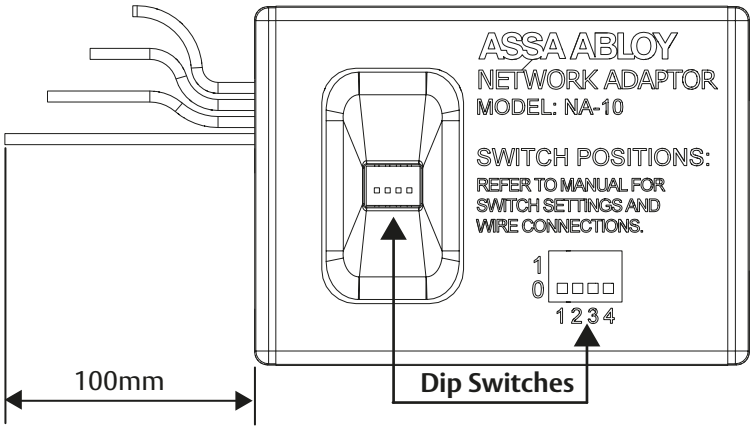
DATE: DD/MM/YY
NUMBER: 0123456789

IMPORTANT: Ensure the Serial Number is noted on the back of the Keypad User Guide. This will be used for the programming of the Key/Control System.





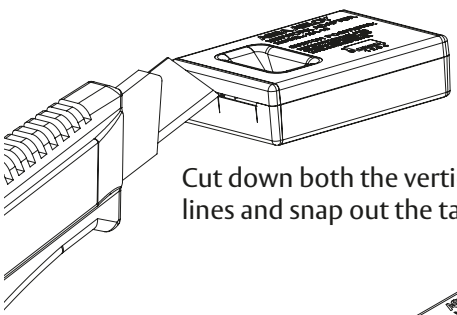
1



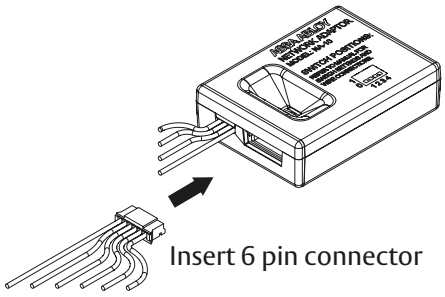
Important: Network Adaptor must be installed internally, e.g. in a wall or roof cavity

Ensure that dip switches are all in the down or off position as shown. This is the default position.

2

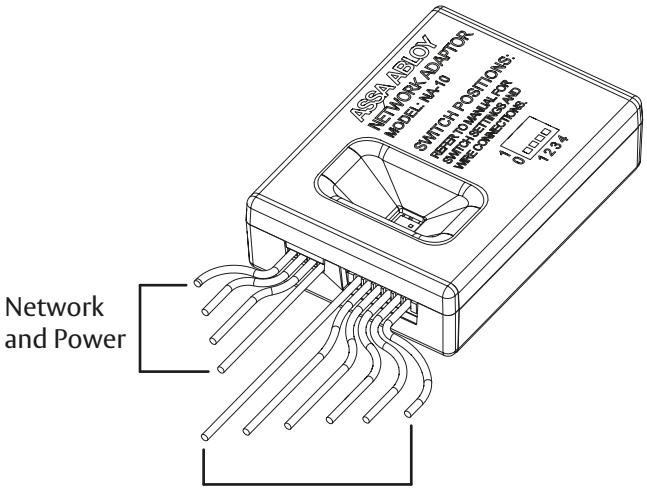


Cut down both the vertical lines and snap out the tab.



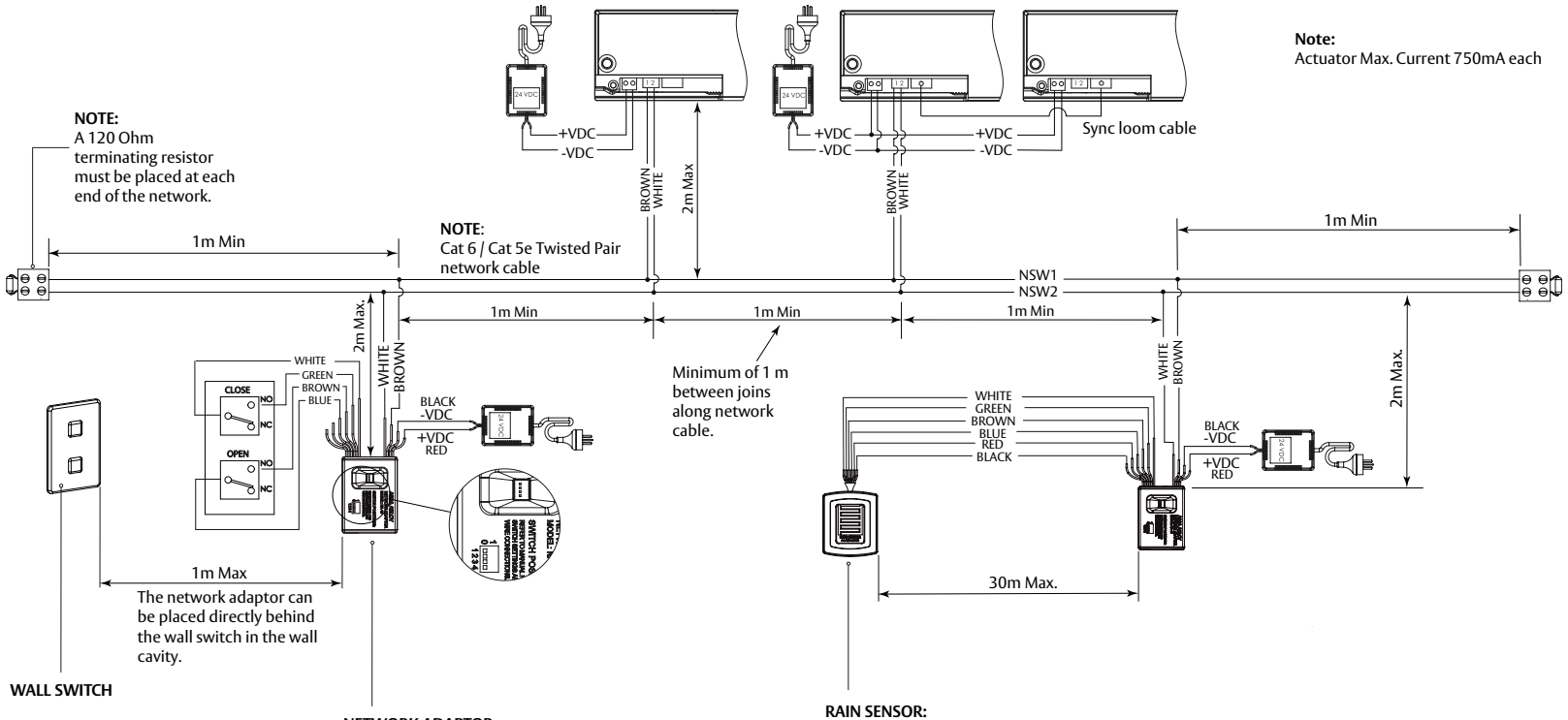
Insert 6 pin connector

3



Wall Switch Circuit Diagram

(Note: for Keypad Circuit Diagram see Keypad fitting instructions)



KEY:

NSW1 = Network Signal Wire 1.
NSW2 = Network Signal Wire 2.
NO = Normally Open contact.
NC = Normally Closed contact.

CALIBRATION AND BASIC FUNCTION

The system must calibrate before use.
Power up the system, wait one minute, then press the open switch.
The windows will open and close twice.
Wait at least one minute before operating the system.

Note: If a window stops during calibration it means that it has safety stopped due to too much load. Press the close switch. Remove the obstruction. Then press the open switch to continue.

Wall Switch Basic Function:
Press the open switch for at least 2 seconds to open the windows.
Press the close switch for at least 2 seconds to close the windows.
Press any switch for at least 2 seconds to stop the windows.

TECHNICAL SPECIFICATION

INPUT VOLTAGE	24V DC
MAXIMUM CURRENT	750mA per Actuator
OPENING TIME	Approx 40 sec
OVERALL DIMENSIONS	308mm x 44mm x 32mm
OPERATING TEMPERATURE	0°- 50°C
HUMIDTY	0% - 95%
NETWORK CABLE LENGTH	300m Max

Installation tips

- The power connection on the actuator is not polarity conscious.
- Cat 6 / Cat 5e Twisted Pair Network Cable used for the network cable.
- A 120 Ohm resistor must be connected at each end of the network cable.
- The network signal wires (NSW1 and NSW2) are polarity conscious and must not be shorted or connected the wrong-way around when connecting to devices.
- Each device must be connected to a new point along the network cable so devices are connected in a 'daisy chain'.
- Maximum network cable length is 300 metres
- A maximum of 30 devices can be connected to one network. For example 28 actuators and 2 network adaptors.
- A 'synchronised actuator' is not counted in the number of connected devices because it acts as a slave.
- A maximum of 4 network adaptors can be connected to a network.
- A network adaptor can be connected to a wall switch or a rain sensor, but not both at the same time.
- The network cable can be 'looped down' to the actuators and network adaptors so connecting cable between devices and network cable is 2m or less.
- Ensure all joins along the network cable are made properly. Soldering the joins is recommended.

Rain Sensor

- When the rain sensor detects rain, all the windows connected to the network will close together.
- The windows can to be opened again by pressing the wall switch.
- The windows can also be opened during rain from the wall switch which overrides the rain sensor. However the rain sensor will not reactivate until it has dried out and reset.

Keypad

- Keypads and wall switches are not recommended to be used together on the same network.
- Refer to Keypad installation and programming instructions for additional features.

ASSA ABLOY