

**INSTALLATION AND SET UP INSTRUCTIONS FOR
A1594 PC TO PANEL NETWORK INTERFACE CARD**

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Introduction.

This card provides an interface between a personal computer and a fire panel network in order that the computer may be able to report and log any significant events on any of the fire panels, and also so that the computer may be able to send user control messages to the fire panels.

The card is an essential requirement for the full operation of our Alarm Management System (sometimes referred to as a Graphics Package) There are two versions of software for this card, covering each network protocol currently in use:-

- ◆ Version P1594V* supports the Proton and R3 panel types, and is limited to 15 nodes.
- ◆ Version X1594V* supports the Puissant and Nexus panel types, which can accommodate panel numbers up to 255, although a limit of 15 per circuit is still valid.

PC Interface Details.

The PC must have 1 ISA slot free for each A1594 card to be installed. [One A1594 card per network].

Alarm Manager Software.

Versions up to and including V19 are capable of supporting a single network. V 20 can support up to 4 networks.

Network Arrangement.

Up to 4 of these interface cards can be fitted into a compatible PC enabling the Alarm Manager to monitor [as a passive node] a total of 4 off 15 node networks. When configured as an active node, the Alarm Manager takes up 1 node address on each network, allowing it to monitor 14 nodes per network. NB. Each network in a multi-network system is "stand-alone" in that information/instructions cannot be passed from one network to another.

Card Set Up.

- ◆ Set the switches on the A1594 card[s]:
 - Network node address - Set switch S1 to address 0 [zero] to configure the PC/Alarm Manager as an ACTIVE node. Set to address F] to configure the PC/Alarm Manager as a passive [listen only] node.
 - PC base address – Set switch S2 to 0,1,2 or 3 according to how many other cards are fitted.

Installation.

- ◆ Shut down the computer and disconnect the mains supply.
- ◆ Locate the spare ISA slot[s].
- ◆ Fit the card[s].
- ◆ Refit PC covers.
- ◆ Connect network to the network card connector.
- ◆ Power up the PC. The Alarm Manager, if correctly installed, will automatically boot up.
- ◆ The new cards will be automatically configured.

Connection to Network Cable.

J2 is a 9 pin D connector and is used to connect to the network cable.

The pin connections are:

Pin 1 - Network out positive.

Pin 3 - Network ground [normally not connected].

Pin 5 - Network out negative.

[Details of the network connections at each panel can be found within the user manuals for the appropriate panel].

Testing.

This procedure describes the minimum required to prove that the newly connected A1594 card communicates with the network and the host PC. Further testing may be necessary to satisfy site requirements.

- ◆ Initiate at least one event on each node of each network and confirm the response via the Alarm Manager.
- ◆ If the Alarm Manager is configured as an active node, confirm that nodes respond to silence and reset user commands from the Alarm Manager.

Card Layout.

A1594 CARD LAYOUT [MAIN COMPONENTS ONLY]

