

## **Procedure to Connect the SA2000 Panel to a PC using a TCPIP/Serial Converter**

### *What you will need:*

A null-modem cable (both ends 9-pin female) OR equivalent using a null-modem converter.

### *Installation:*

1. Select an unused, fixed (not given out by DHCP) TCPIP address on your network. If you are using DHCP, add an address reservation to use for the converter.
2. Connect the serial port of the converter to an open serial port on the PC using the null modem cable or equivalent. Make note of the port number, COM1, COM2, etc. If all ports are being used, temporarily free up a COM port. You will re-gain the port for normal operation after installation is completed.
3. On the TCPIP/Serial converter set dipswitch 1 to on.
4. Open HyperTerminal from the Windows menu. This is normally found under Programs/Accessories/Communications. If it wasn't installed during the Windows OS installation you can add it from the control panel Add Programs icon.
5. Open HyperTerminal and select a name for the connection. Under "Connect Using" select the COM port you connected the null modem cable to in Step 2.
6. Under the settings select 19,200; none; 8; 1 for the serial connection settings.
7. Press 1 to establish VT100 terminal mode.
8. Using the arrow keys to navigate select Configure Server and press enter.
9. Using the arrow keys to navigate change the DHCP setting from enabled to disabled and press enter.
10. Using the arrow keys to navigate change the TCPIP address from the default address to the network address you selected in Step 1 above.
11. Using the escape key return to the main menu and save and exit the HyperTerminal connection.
12. Turn off dipswitch 1 on the converter and unplug the null modem cable from the PC and the converter.
13. Connect the panel to the converter using a normal RS232 serial cable.
14. If you are connecting the converter to your network using a Hub, connect the converter to the Hub using a normal Ethernet cable. If you are connecting the converter directly to the PC's network card, connect the two using an Ethernet crossover cable (pins 2 and 3 reversed).
15. Install the TCPIP/Serial converter drivers on the PC using the Install CD directions. During the install process, the converter should be automatically located by the setup program at the TCPIP address you set up in Step 10.
16. After installation check the Serial Port number that was added during the install process. An additional serial port was added during the install.
17. After installing the StarAccess2000 software use the Setup Wizard to establish communications with the panel. Select the new serial port address that was created by the converter.