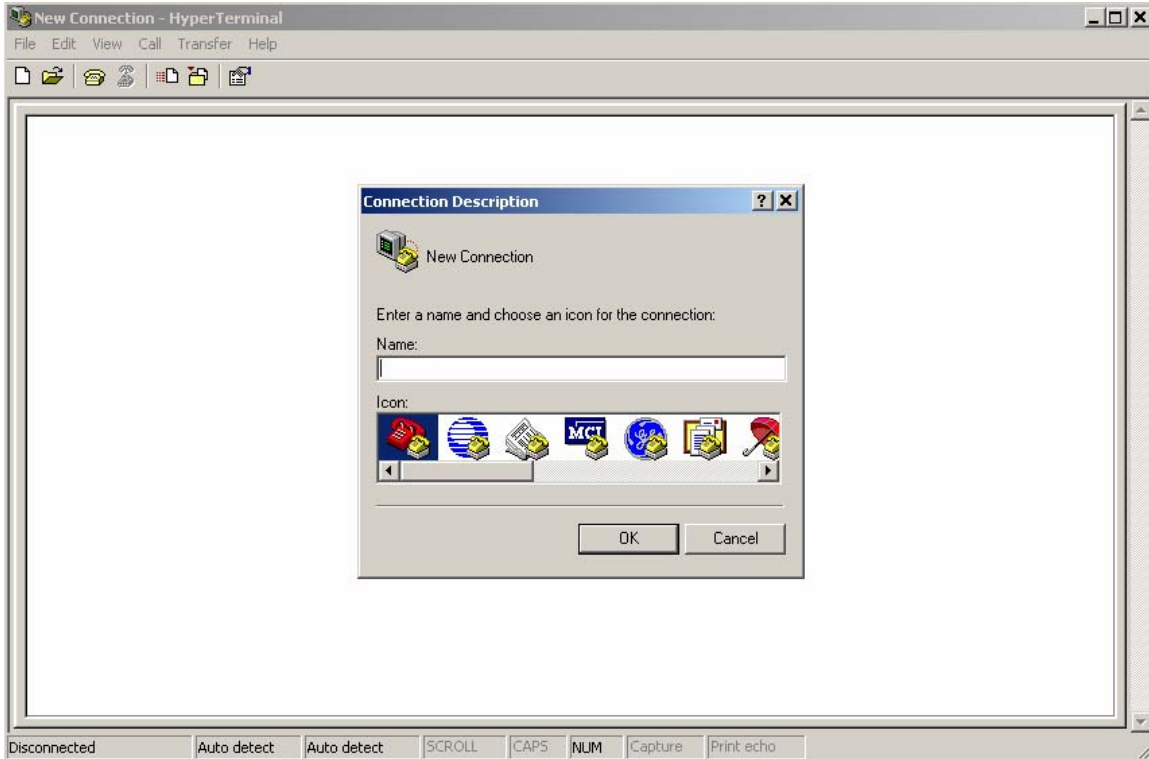


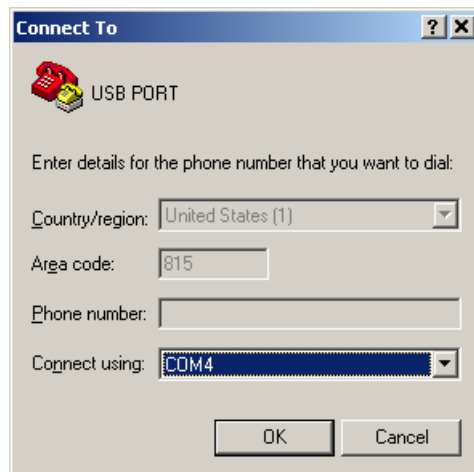
Performing USB and Serial Converter Loopback Test

To confirm operation of the USB and Serial converter the following information will explain how to perform a loopback test using HyperTerminal.

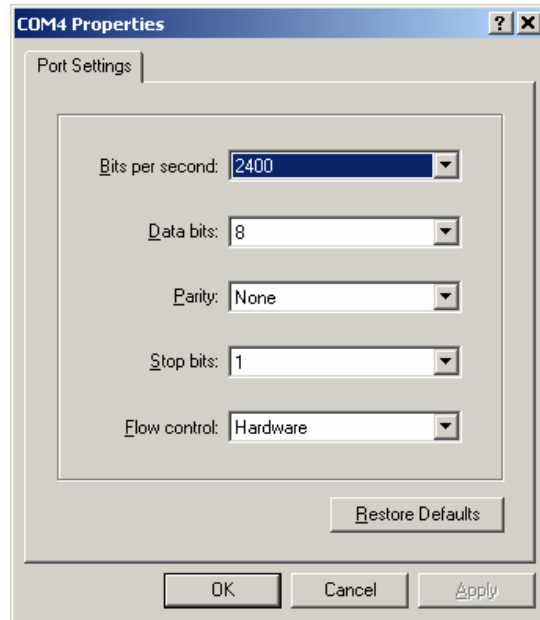


HyperTerminal is normally shipped with the Windows operating system and can be found in the Program files under Accessories / Communications.

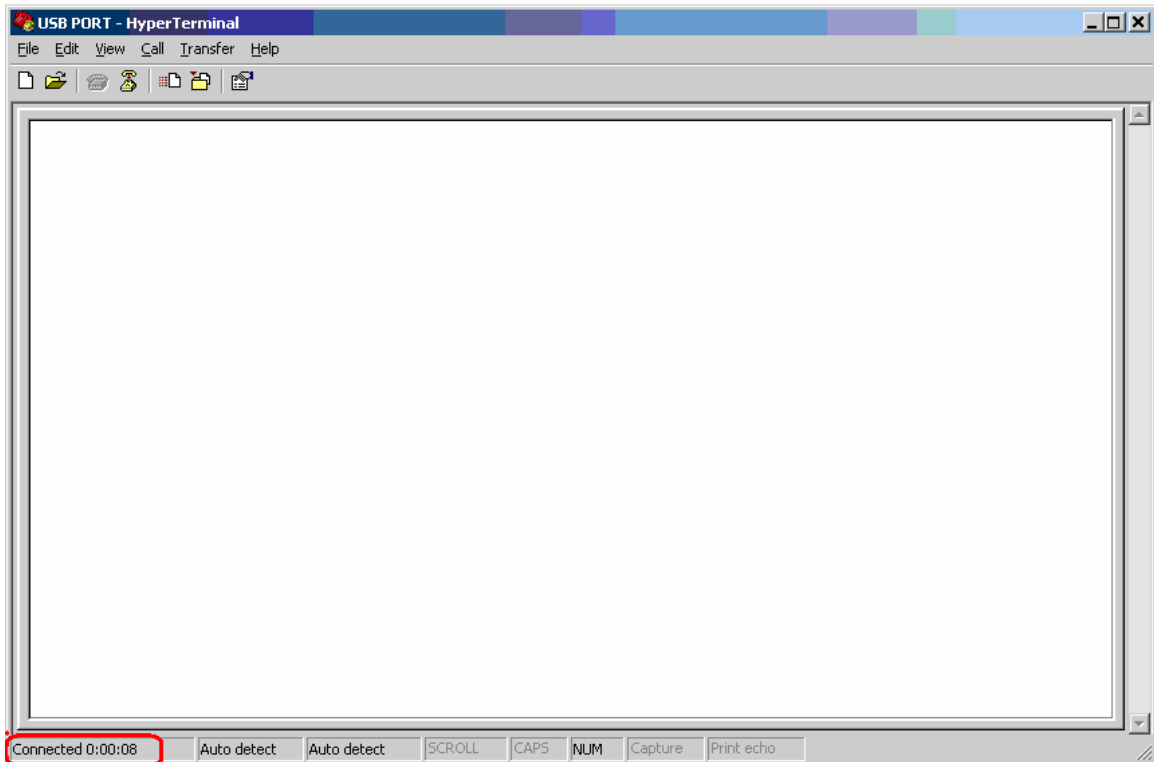
1. Enter a connection "Name".
2. Select "OK"



3. Enter Area code:
4. Select the USB COM port number found in the Device Manager. See Device Manger section of document for Device Manager information.
5. Select “OK”

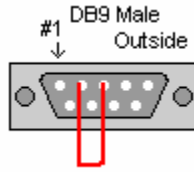


6. COM 4 Properties window opens with default settings. Select “OK”

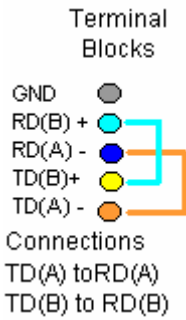


7. The HyperTerminal window will open with the “Connected (timer)” showing in the lower left corner of the window.
8. Type on key board and confirm nothing is displayed in the window.

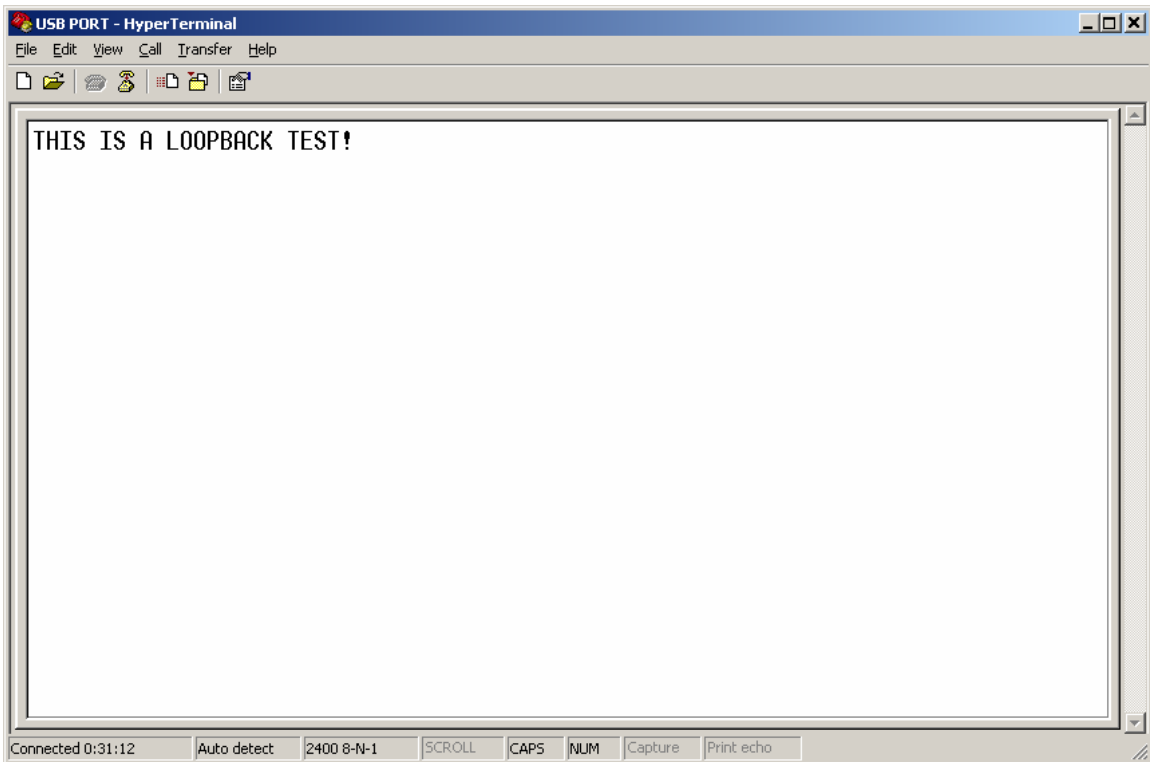
RS-232 port connection



RS-422 / RS-485 connections



9. Review the above serial port diagrams for RS-232, RS-422, RS-485 and select the appropriate configuration for your unit. To test RS-485 set converter to 4 wire mode RS-422 or RS-485.



10. Once the appropriate serial port connections are made type on the key board. The key strokes will display in the window.