



Product Family: PLC's

Number: AN-MISC-020

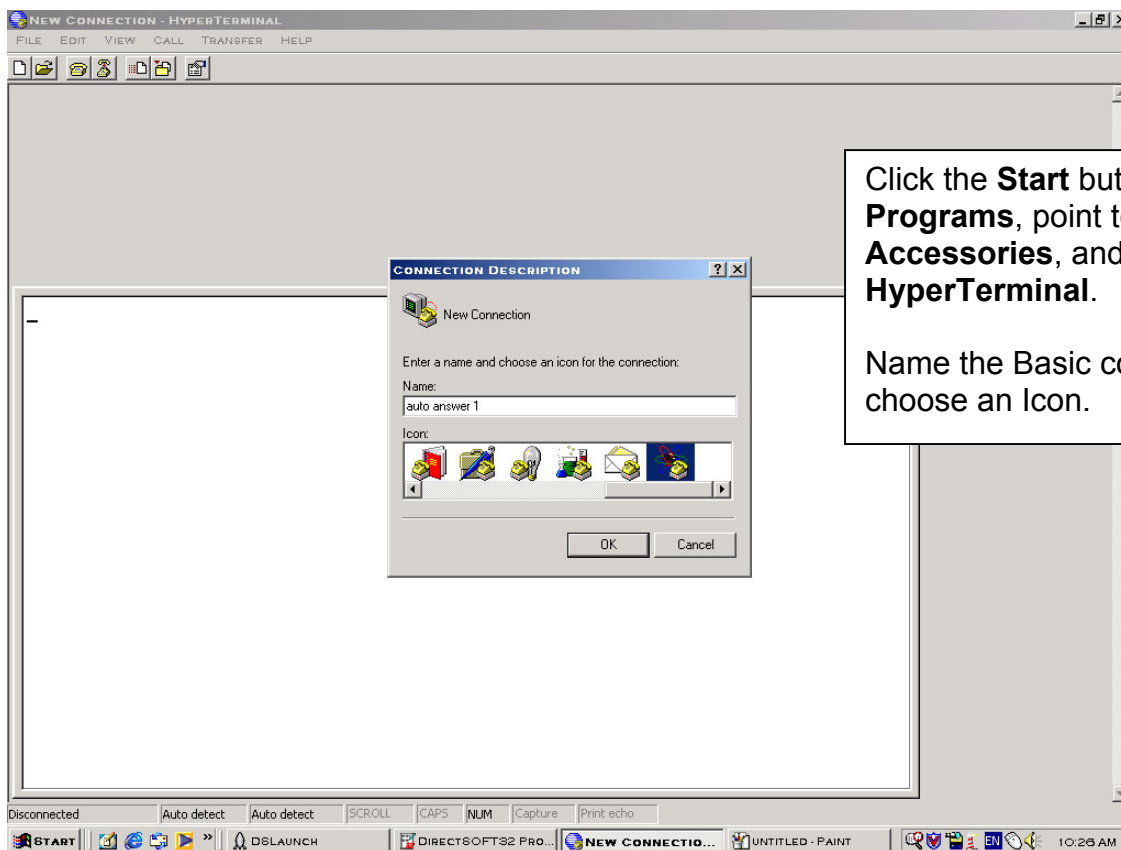
Subject: Testing ASCII strings with Microsoft HyperTerminal

Date Issued: 9/08/03

Revision: Original

The easiest way to test ASCII strings from a PLC or Touch panel is to set-up HyperTerminal in answer mode.

The applications for this simple set-up is virtually endless, and it is free with any Microsoft Windows installation.



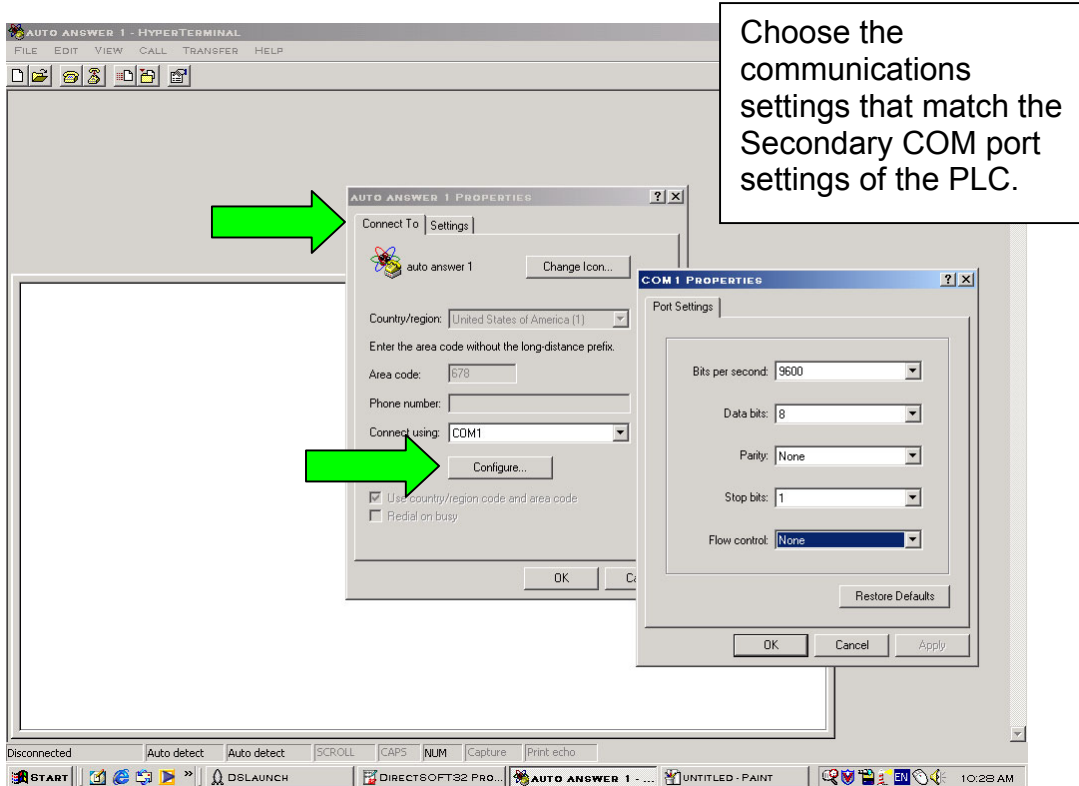
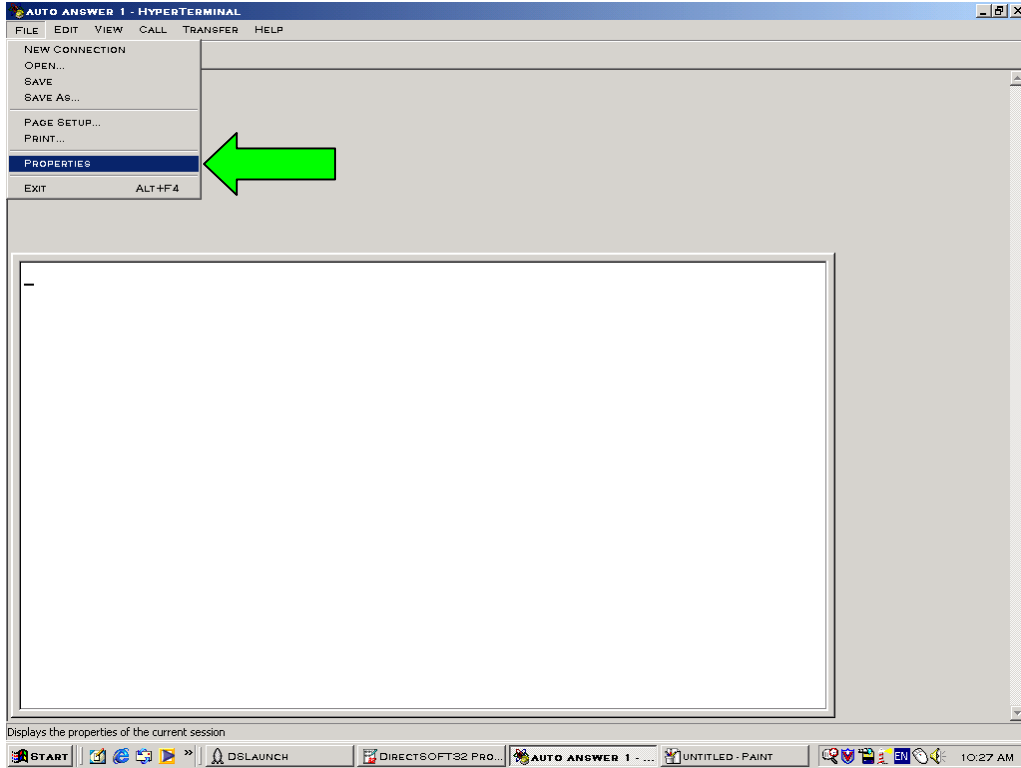
Click the **Start** button, point to **Programs**, point to **Accessories**, and then click **HyperTerminal**.

Name the Basic connection and choose an Icon.



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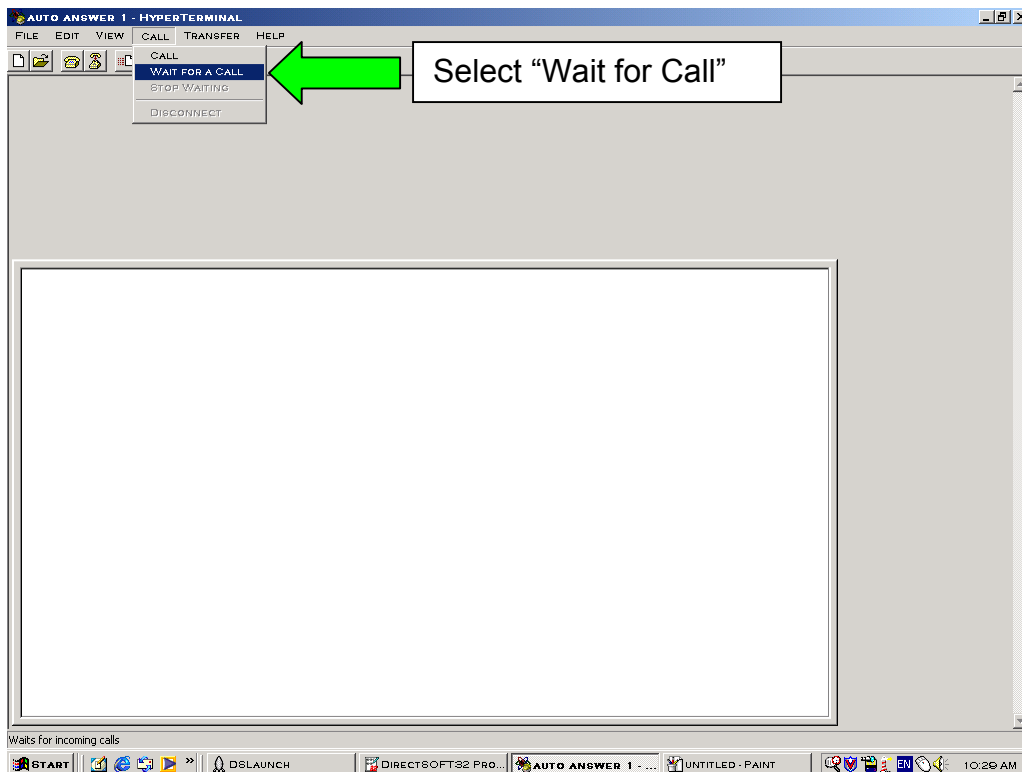
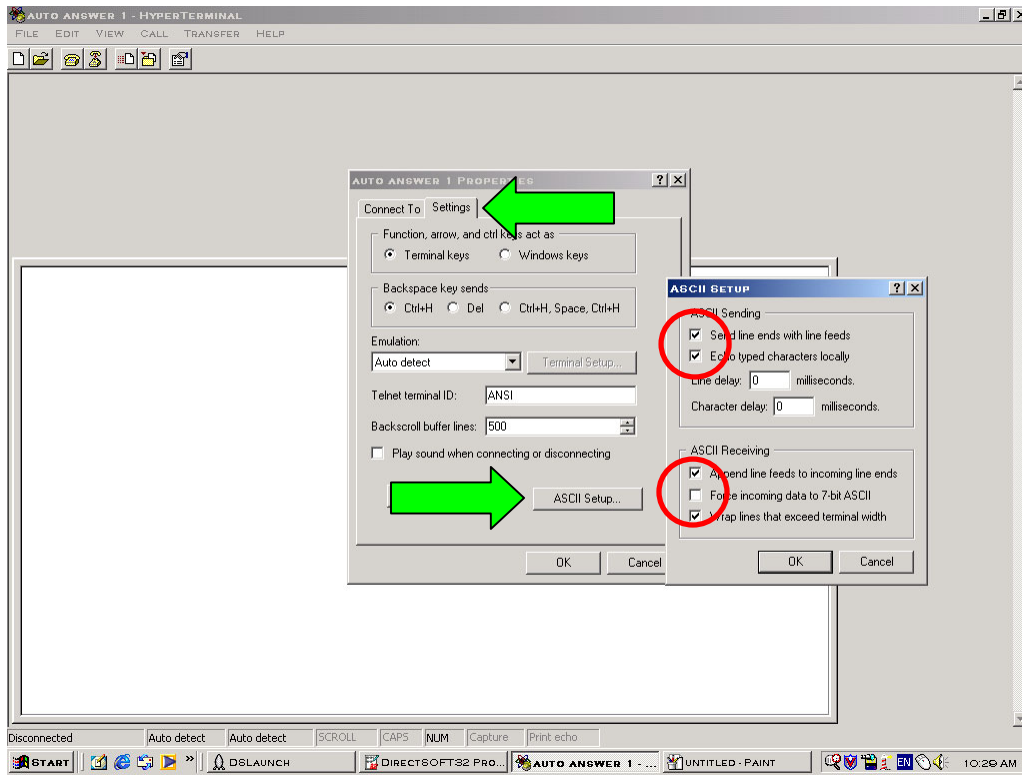
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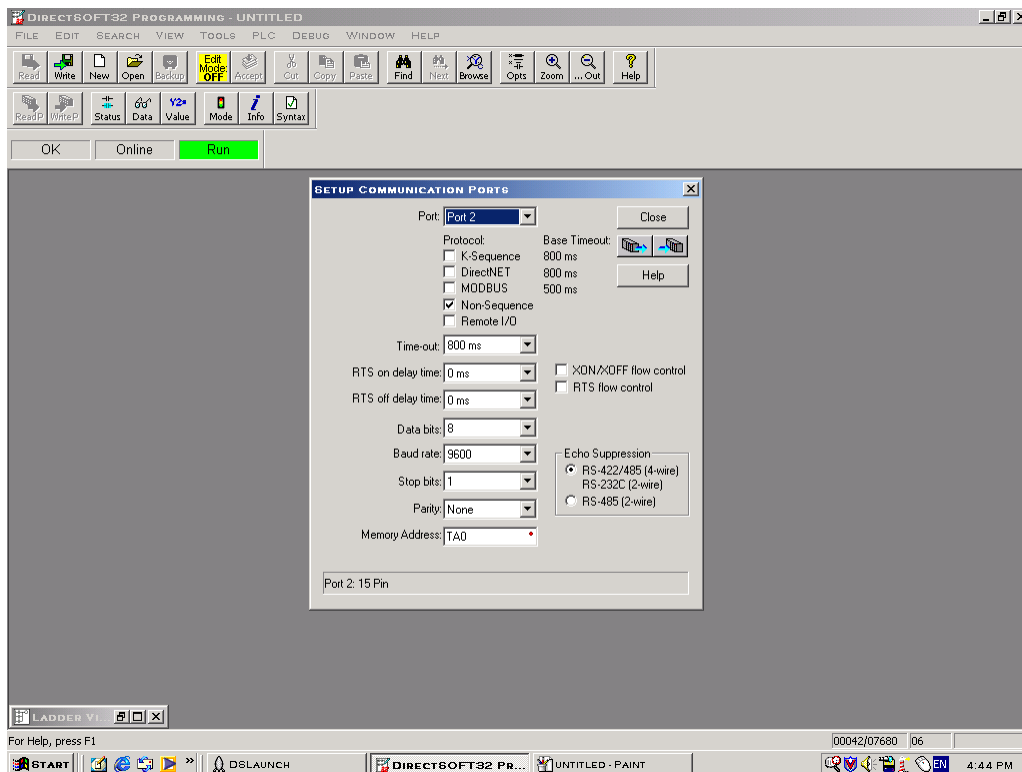
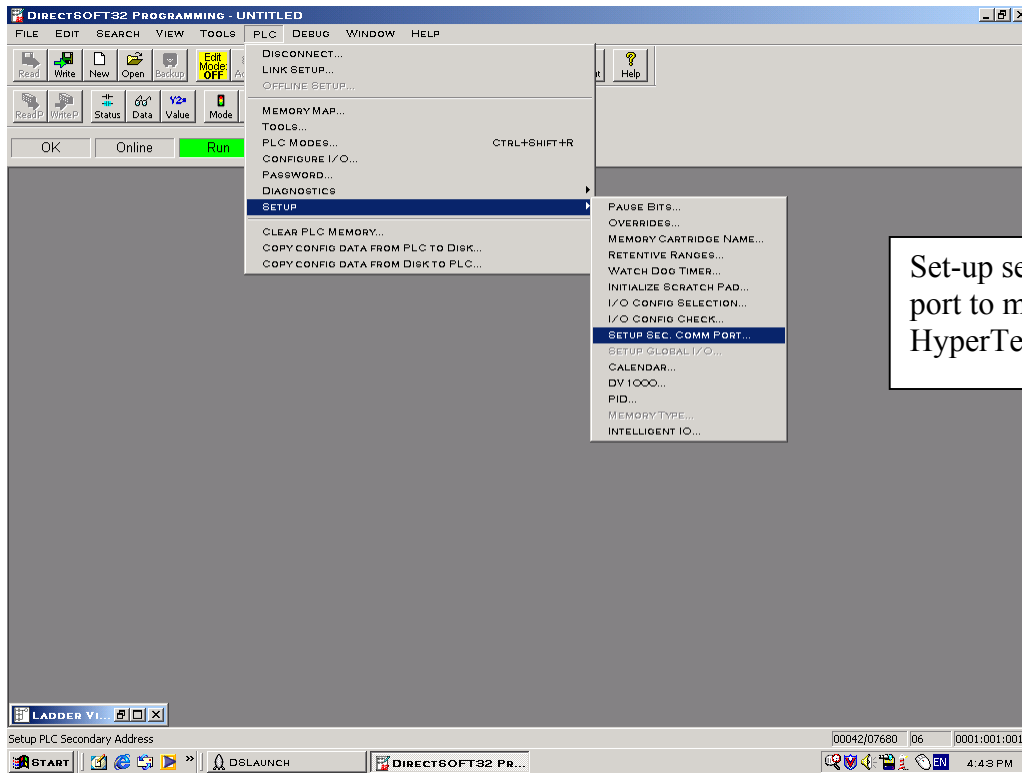
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The screenshot shows the DirectSOFT32 Programming interface. The Ladder View contains a program with four rungs. Rung 1 has a normally open contact labeled `_FirstScan SP0` connected to a coil `LD K2000`, which is connected to an output coil `OUT V3000`. Rung 2 has a normally open contact `C12` connected to a `VPRINT` instruction. The `VPRINT` instruction parameters are: Byte Swap: None, "Print" Address: V4000, and "reactor temperature " V3000.B " degrees". Rung 3 has a normally open contact `C13` connected to a `SET` coil for timer `T1`. Rung 4 has a normally open contact `T1` connected to a `PRINTV` instruction. The `PRINTV` instruction parameters are: Port Number: K2, Start Address: V4001, Number of Bytes: V4000, Append: None, Byte Swap: None, Busy: C15, and Complete: C16. A `RST` coil is connected to the `Complete` output of the `PRINTV` instruction. On the right, the DATA table shows the status of variables:

Element	Status	Edits
V3000	2000	
C12	OFF	ON OFF
C13	OFF	ON OFF
T1	OFF	ON OFF

For Help, press F1

This example uses a D2-DSCBL-1 cable connected to port 2 of a DL06 to COM port 1 of the PC.

With the code written in the PLC based on the ASCII VPRINT and PRINTV instructions found in the DL06 manual.

The screenshot shows the DirectSOFT32 Programming interface with a Hyperterminal window titled "AUTO ANSWER 1 - HYPERTERMINAL" open. The Hyperterminal window displays the text "reactor temperature 2000 degrees". An arrow points from this text to the `C12` contact in the Ladder View. The Hyperterminal window also shows connection details: Connected 0:00:28, Auto detect, 9600 8-N-1, and Complete: C16.

ASCII printed output.

Technical Assistance:

If you have questions regarding this Application Note, please contact us at 770-844-4200 for further assistance.