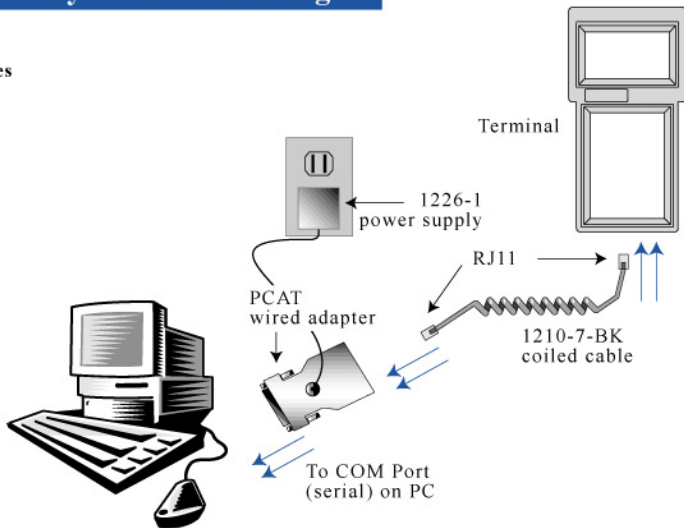


QuickStart ProTerm

by Two Technologies

For additional information,
please contact: Two Technologies
Technical Services @

215.441.5305

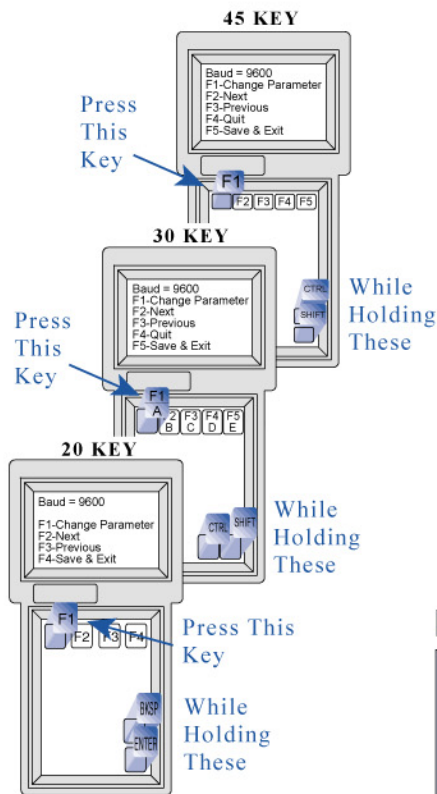


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SET-UP PARAMETERS MENU

- Note that the top row of keys F1-F5 are used for the manipulation of all set-up parameters.
- **For the standard 30 or 45 key keypad:**
Press and Hold **<SHIFT>** and **<CTRL>** keys simultaneously (see illus.). Then press **<F1>**. This will bring up the Set-up menu. You may exit this menu at any time by pressing **<F4>** to exit **without saving** changes to the EEPROM (Changes will be lost if power is removed from the unit) or by pressing **<F5>** to **exit and save** changes to the EEPROM. (Changes will not be lost if power is removed from the unit).
- **For the standard 20 key keypad:**
Press and Hold **<BKSP>** and **<ENTER>** keys simultaneously, then press **<F1>**. This will bring up the Set-up menu parameters menu. To exit this menu and **save** changes to EEPROM, press **<F4>**.
- In the Set-up Parameters menu, use the **<F2>** key to **move forward** through the parameters, and the **<F3>** key to **move back**. When the desired parameter is displayed, use the **<F1>** key to move through the choices for that parameter.
- The following table shows all of the parameters and their associated choices (default is in **bold**).

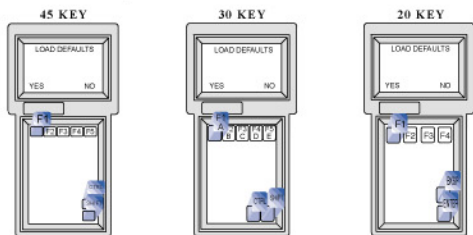


TO RESTORE DEFAULT PARAMETER SETTINGS

All Set-up parameters can easily be restored to the factory default settings by doing the following:

For the standard 30 or 45 key keypad: Remove power to the unit. Hold down the **<F1>**, **<SHIFT>**, and **<CTRL>** keys simultaneously (see illus.). **For the standard 20 key keypad:** Repeat the same as above except hold down **<F1>**, **<BKSP>**, and **<ENTER>**. With these keys held down, reapply power to the unit. The screen will display 'LOAD DEFAULTS', answer 'YES' by pressing **<F1>**. Answer 'NO' by pressing **<F5>** or **<F4>**.

After **LOADING DEFAULTS**, the NPT will display a menu to **ADJUST CONTRAST MIDPOINT**. This number will become the initial set point for "MID" "VIEWING ANGLE" parameter. This will typically only need to be set once. Press **<F1>** to accept.



PARAMETER	SETTING CHOICE
BAUD RATES	300, 600, 1200, 2400, 4800, 9600 , 19200, (57600)*
DATA BITS	7 - 8
PARITY	NONE , IGNORE, EVEN, ODD, MARK, SPACE
STOP BITS	1 - 2
REPEAT	SLOW (6CPS), MEDIUM (10CPS) , FAST (36CPS), DISABLED
KEY CLICK	ENABLE , DISABLE
KNP FUNCTION	ENABLE, DISABLE
CURSOR	ENABLE , DISABLE
CURSOR BLINK	ENABLE , DISABLE
XON/XOFF	ENABLE, DISABLE
HANDSHAKING	ENABLE, DISABLE
ECHO	ENABLE, DISABLE
ESCAPE MODE	ANSI , PRIVATE
CR/LF MODE	NORMAL , NEWLINE
TEST	ENABLE , DISABLE
SHIFT LOCK**	ENABLE, DISABLE , CANCEL
SCROLL	ON LAST CHAR , ON LAST CHAR+1
VIEWING ANGLE	MIN,2,3,4,5,6,7,MAX (MIN,2,3,4,5,6,7, MID ,9,10,11,12,13,14,15,MAX)*
BREAK COMMAND	ENABLE, DISABLE
SCREEN SIZE	24 X 8 , 32 X 16
MENU MODE	DESTRUCTIVE , NON-DESTRUCTIVE
BACKLIGHT***	(ON , TIMED, OFF)*

* These are NEW settings for the NPT ONLY ** Not used on the PT20 key keypad

*** Has no effect on non-backlit displays

Note: The NPT has a Graphics Mode and an Advanced Control Mode which can only be accessed by a Host.

Consult the ProTerm User's Guide for more information on the 'SET-UP PARAMETERS' menu and the 'RESTORE DEFAULT PARAMETER SETTINGS' menu.

Press & HOLD these Keys while applying power



Two Technologies, Inc.
419 Sargon Way, Horsham, PA 19044
phone: 215.441.5305 □ techsupport@2t.com □ www.2t.com

USING HYPERTERMINAL[®] TO INTERFACE WITH THE TWO TECHNOLOGIES HANDHELD TERMINAL.

A quick and easy method of affecting communications between the terminal and the PC is to use a program called "HyperTerminal", which is provided as part of the Microsoft Windows[®] operating system. Before beginning this procedure, perform the procedure to "LOAD DEFAULTS" on the terminal. This will insure that all communications parameters are set to known values.

If there is no icon for HyperTerminal on your desktop, the application can generally be opened by performing the following steps:

- 1) Click on the "START" button
- 2) Point to "PROGRAMS"
- 3) Point to "ACCESSORIES"
- 4) For Windows[®] CE, point to "Communications"
- 5) You should now see the HyperTerminal folder.
Click on the folder to open.

If you do not see the "HyperTerminal" folder, chances are it wasn't installed as part of the Windows installation. In this case, you will have to install "HyperTerminal" from the Microsoft Windows[®] CD-ROM or Diskette before proceeding.

- 6) After opening the folder, you should see a file called "HYPERTRM.EXE." Double-click on this file to start the program.
- 7) As the program starts, you will be given the option to provide a name and select an icon for your connection. This is optional, however doing this will allow you to save the parameters for future use. Cancel the phone numbers menu.
- 8) Click on the "FILE" and pull down the menu and select "PROPERTIES."
- 9) At the "CONNECT USING", pull down and select the COM PORT that you will be using. (Ex. COM1, COM2, etc. These will be designated as "DIRECT to COM_")
- 10) Click on the "CONFIGURE" button and enter the "PORT SETTINGS" as follows:

Bits per second= 9600
Data Bits= 8
Parity= NONE
Stop Bits= 1
Flow Control= NONE
- 11) Click on "OK" to accept these settings and then click on "OK" again to accept the "PROPERTIES" settings.
- 12) In the lower left corner of the screen on the PC, you should see the word "CONNECTED" along with a timer. Press a few keys on the terminal. You should see these keys displayed on the PC monitor. Likewise press a few keys on the PC keyboard. You should see these keys displayed on the terminal's display. Click on the file save to store the parameters as icon "FILENAME.HT".

WE'RE HERE TO HELP!
Please contact: Two Technologies
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215.441.5305