

DOWNLOADING EMIE AND EASY FUSE PROCESSORS USING HYPER TERMINAL SOFTWARE

Downloading Emie and Easy Fuse Processors Using HYPER TERMINAL Software Central's bar-code processors, can be downloaded using a program that is provided with Windows 95/98. The program is called Hyper Terminal.

Before beginning a down-load session, it is best to create an "empty"down-load file in a directory that is easily located. This can be done by using a Windows program called Notepad. It can be accessed by pressing the Windows "Start"icon and the following selections: **Programs >> Accessories >> Notepad**. Simply type one space (or any character) then select menu options: **File >> Save**. From the "Save As"window select the desired drive, directory, and name for the empty download file. Choose a suitable file name such as sns-001.txt - where "sns" is replaced with the last 4 digits of the serial number and 001 is the first download episode for that particular unit. After completing this step, close out Notepad.

Hyper Terminal must now be invoked. This is done by pressing the Windows "Start"icon and the following list selections: **Programs >> Accessories >> Hyper Terminal**.

A folder-type window is typically displayed with several different icons in it. These icons represent configured settings from which to run Hyper Terminal. Select the icon labeled "**Hyper terminal.exe**."

The "**Connection Description**"window should appear. Any suitable name should be entered, and an icon to represent this configuration file should be selected. A meaning name such as "Central"or "Sauron"should be given to the configuration file. Press "**OK**"to proceed.

The "Phone Number"window should appear. Select "Connect using"and choose the correct serial port of the computer. The correct selection is likely to be "Direct to Com1."Configuration of other COM ports may need to be attempted later, if communications cannot be established. There should no longer be an option to select "Country Code, Area Code, or Phone Number."Press "**OK**"to proceed.

The "COM1 Properties"window should appear. Modify the fields for this window as follows:

- Bits per second 9600
- Data bits 8
- Parity None
- Stop bits 1
- Flow Control None

Typically, there is no need to modify "**Advanced**"options. Press "OK"to proceed.

The "*" - Hyper Terminal window should appear, where * is the file name that had been provided in the "Connection Description"window. At this point communications is ready to be established. The following list selections should be made: **Transfer >> Capture Text**. Before proceeding with software, prepare hardware connections.

Hardware connections & downloading:

For the Emie processor, a direct-wired, 9 pin, M/F, RS-232 cable (C.P. #9001150) and special modem (C.P. #5900036) are necessary to perform communications between a processor and P.C. It is typically easiest to install the modem on the cable end which connects to the processor. However, it will work at either end. For the Easy Fuse processor, only the special BOSS RS-232 cable (C.P. #5900091) is needed.

The processor must be in Mode 2 or 3 for it to allow communications to occur. The mode can be verified or changed by pressing both arrow keys while turning the unit on. Press the green "valid" key until prompted to select mode. Press up or down arrow key until mode 2 is displayed. Be certain to press "valid" after selecting mode 2 in order for the change to be initialized. Turn the unit off.

The "Capture Text" window should be displayed within the "Hyper Terminal" window. The previously created download file (from the appropriate drive and directory) should be located and selected. Press "**Start**" to proceed. Once this step has been performed, the program is active and attempting to receive data.

Turn the processor on. The LCD will run through a couple screens then display a printing option. Press the arrow and valid keys as prompted to begin communications. If an incorrect key sequence is used, the reset key can be pressed to return to the printing option. If the printing option is not displayed, verify that the unit is in mode 2 and that all cable connections are secure. Otherwise, a different COM port may need to be configured in the Hyper Terminal program.

When the processor has finished transferring its data, the clear-memory option is displayed. The terminal software must be made inactive at this point. The following list selections should be made,:

Transfer >> Capture Text >> Stop.

Transferred data can be viewed with non-editing word processor such as notepad. This program is also located in the **Accessories** options of the **Programs** folder. It is a good idea to verify that the file has been properly stored in the given file name and directory before erasing the processor's memory. It should also be noted that the data is not easily viewed by a text editor. After creating and successfully storing a text file, it is best to import the file into a spread sheet program such as excel or 123. When this is done, all data will be displayed in columnar format. The file can then be saved in the spread sheet's format (*.xls or *.wk4).

After these steps have been taken, the option to erase the fusion memory can be addressed. Use arrow and valid keys to choose desired action. Return unit to mode 4 if it is desired not to maintain traceability elements.

NOTE: always pay attention to which directory a file is being saved. It is recommended to create a special directory that is reserved just for this purpose.