1. Upgrading TSI1000 software using FTP

Before beginning: If the network port of the TSI1000 is not used in your system then the factory setting of the TSI1000 is probably 192.168.0.202. If you are using the network port but do not know the IP address of the TSI1000, check the section below on "Finding the TSI1000's IP address".

1. Make a physical network connection between your TSI and the PC (using a crossover network cable or a hub).

2. Set your PC to be in the same subnet mask as the TSI1000 (the TSI's subnet mask is factory-set to 255.255.255.0 so your PC must have the same first three octets in it's IP address. e.g. if the TSI1000 has an IP address of 192.168.0.202 then your PC must be something like 192.168.0.210). On a Windows PC this means setting the "IP Address" option of your TCPIP network adapter to "Specify an IP Address" with an address, instead of "Obtain a network address automatically".

3. Ping the IP address of the TSI1000 to make sure it is there.

4. If you are running a version of Windows later than Win98, start an internet browser on the PC connected to the TSI1000 and in the “Address” bar enter the “ftp://” then the TSI's IP address: for example, ftp://192.168.0.202 . If you are running an older version of Windows, use a FTP client such as WS_FTP. Some earlier Windows browsers did not allow ftp transfers to the remote client.

5. If you wish to first download the old version of TSI1000B.EXE, and you are using a browser, drag the TSI1000B.EXE file from the client area of the browser to some location other than where the new TSI1000B.EXE file is stored. If you are using an FTP client, point the local directory window to some location other than where the new TSI1000B.EXE file is stored, click on TSI1000B.EXE in the remote window, then click on the transfer button to get the file from the TSI1000.

6. To upload the new software to the TSI1000, if using a browser, drag the TSI1000B.EXE file to the client area of the browser to send the file to the TSI1000. If using an FTP client, point the local directory window to the location of TSI1000B.EXE, click on the file, then click on the transfer button to send the file to the TSI1000.

7. To use the command-line FTP available in most versions of Windows, see the section below.

8. See the section below on “After You Upgrade” below on any further actions you may need to take to complete the software upgrade process.

2. Upgrading TSI1000 software using Command-line FTP

1. Follow steps 1-3 in “1. Upgrading TSI1000 software using FTP”. Your new TSI1000B.EXE file should be stored to a directory other than the current one.

2. Click on the Windows “Start” button, click on “Run” and type “FTP”Open a DOS or command-line window window.

3. Type "FTP" followed a space and the IP address of the TSI1000 and press <Enter> (e.g. FTP 192.168.0.202<Enter>.

4. At the "User" prompt hit Enter, and do the same at the "Password" prompt.

5. Type "Binary"<Enter>

6. If you wish to first download the old version of TSI1000B.EXE, type “Get TSI1000B.EXE”.

7. Assuming that “TSI1000B.EXE” is stored at C:\TEMP, type "Send C:\TEMP\TSI1000B.EXE"<Enter> and wait for the file to be sent.

Type "Bye"<Enter>

9. See the section below on “After You Upgrade” on any further actions you may need to take to complete the software upgrade process.

To simplify the FTP process, the following 5 lines can be pasted into a batch file (e.g. FTPIT.BAT). This can be done by opening NOTEPAD, pasting and modifying the IP address to the IP address of your TSI1000, then click on “File” and “Save As” to create your batch file. To run the batch file and send the TSI1000B.EXE file to the TSI1000, use Windows Explorer to open the folder containing the batch file and double click on the batch file.

```
echo open 192.168.0.227>ftp.cmd
echo binary>>ftp.cmd
echo send c:\temp\TSI1000B.EXE>>ftp.cmd
echo bye>>ftp.cmd
ftp -A -s:ftp.cmd
```

3. Finding the TSI1000's IP address

Method 1: Get the FTP address from a label on the back or side of the unit. If the IP address has been changed since the TSI1000 was shipped from the factory, the label may be out of date.

Method 2: Connecting a VGA monitor and keyboard to the back of the TSI1000. Press CTRL-PGDN until you get to a screen that says "tsinet events" in the top left corner of the screen. PGDN once to get to "Page 2 of 3". The IP address is on the second line of text on the left (probably pre-pended with "01:" or some other number followed by a colon, which can be ignored).

Method 3: In TSI1000s released after June of 2003, with the Tally System Console online with the TSI1000, create a test UMD display (call it TEST-UMD, do not use the same name as a GPI output). Enter the text "v(_READVAR_TSIADDRESS) into the text area of the display. The display will show the TSI's interface (ID) number followed by a colon, followed by the IP address.

4. Setting The TSI1000 IP Address

1. Connect a keyboard and a VGA monitor to the TSI1000.

2. With the TSI1000 running normally, enter the keysequence ALT-1-2-3 (hold down the ALT key while pressing key "1" then "2" then "3".

3. Wait for the TSI1000 to reboot to the DOS prompt.

4. Enter "setup" (not including quotes) followed by a space character, followed by an IP address in number-dot format (for example 192.168.1.1), then press ENTER. For example, the set the IP address 192.168.1.1, type "setup 192.168.1.1" and ENTER.

5. Some information will scroll by on the VGA monitor, then six pages, each followed by a prompt to "Press any key", will be presented. Pressing ENTER three times will display a page showing the new IP address. Continue to press ENTER until the DOS prompt is displayed.

6. Type the word "BOOT" (not including quotes) followed by the ENTER key to restart the TSI1000.

5. After You Upgrade

When upgrading TSI11000 software installed before or during July 2003 with software released after that time, it may be necessary to reload your system configuration from the Tally System Console due to changes in the flash-disk file format:

1. Update your system software as per the instructions in this appendix (above). Whichever method you have chosen to upgrade the software will specify that the TSI1000 to be rebooted to invoke the new software.

2. When the new software is running, it will check the flash disk format and will remove

any files which are out of date from the TSI1000 flash disk. This has no effect on the configuration stored on the configuration PC which runs the Tally System Console.

3. If out of date files are removed from the flash disk, the TSI1000's "CPU" LED will go to a flashing amber state. If the CPU LED remains green after the reboot, no further action is required.

4. If the CPU LED is in the flashing amber state, put Tally System Console online with your TSI1000 as you usually would, allowing it to load the configuration, then reboot the TSI1000. The TSI1000 will come back with a green CPU LED.

5. If you need to revert to your old software (and have first downloaded a copy of the TSI1000B.EXE file), delete the configuration files from the flash disk by attaching a keyboard to the lower PS2 port on the back of the TSI1000, hold down the "ALT" key and quickly enter the key sequence "1,2,C" (no quotes or commas). The TSI1000 will reboot and come back with only the CPU and COM1 LEDs on, and possibly the ENET LED. Then reload your old TSI1000B.EXE file and reload your system configuration from the Tally System Console.