Dantel

TL1 POINTMASTER
INSTALLATION GUIDE

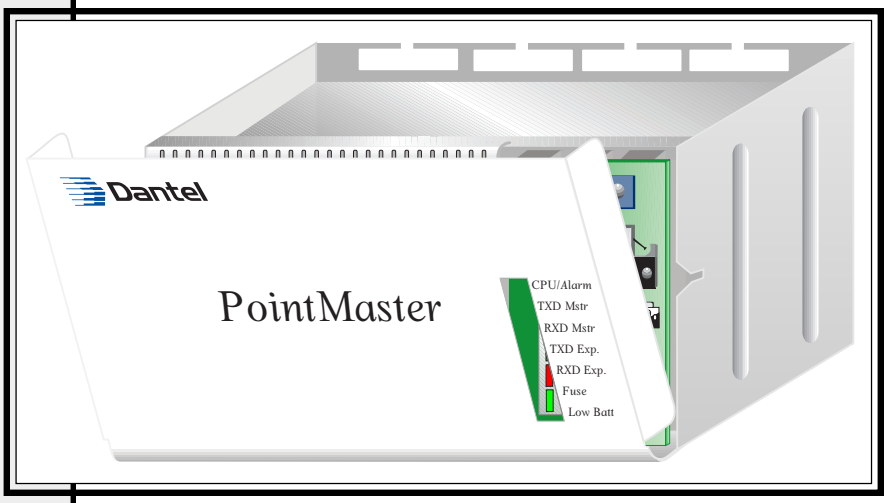

Table of Contents

About this Practice:

This is a new document.

- The procedure described in this document requires the use of the TL1 PointMaster practice as well.

Reissued Practices: Updated and new content can be identified by a banner in the outside margin.

UPDATED

Issue date: March 2000

CAUTION

- Install or remove modules from the shelf only when the power is off. If you install a module in the shelf with the power on, the internal circuitry may suffer damage and the product warranty will be void.
- Remove and install circuit boards only in a static-safe environment (use antistatic wrist straps, smocks, footwear, etc.).
- Keep circuit boards in their antistatic bags when they are not in use.
- Do not ship or store circuit boards near strong electrostatic, electromagnetic, magnetic, or radioactive fields.
- For more complete information on electrostatic discharge safety precautions, refer to Bellcore™ Technical Reference # TR-NWT-000870.

INTRODUCTION

This Installation Guide is presented as an aide to assist in the installation of the 46310-0X TL1 PointMaster. It is not intended as a stand-alone document, but rather requires the installer to have either the full PointMaster practice or a good working knowledge of the product.

For the purpose of this Quick Installation Guide, it is assumed that the PointMaster is to operate as TL1 on the Master Port and Printer on the Craft Port.

INSTALLATION

As you proceed with steps 1 and 2, verify that the proper cards are inserted in the Dantel PointMaster and are installed in the right slots. Verify the correct version of the TL1 PointMaster Editor software and that the proper interface cable is on-site.

If the TL1 Editor is already loaded on your computer, skip Section 1 and begin at Section 2.

SECTION 1 - LOAD TL1 POINTMASTER EDITOR

For this section, refer to the ***TL1 Editor*** section of the TL1 PointMaster practice.

1. Open Windows.
2. Insert the PointMaster software disc into the floppy drive (A:).
3. Click the "**Start**" button.
4. Click the "**Run**" button.
5. In the command line, type: **A:\setup.exe.** Click **OK**.
6. At the welcome screen, click **Next** (at the bottom).
7. At the User Info screen, enter any optional information desired. Click **Next** (at the bottom).
8. At the Choose Destination Location screen, confirm the path: C:\program files\Dantel\PointMaster. Click **Next**.
9. At Start Copying Files, click **Next**.
10. Wait until the Setup Complete screen comes up. Click the **Yes** button to launch the program.
11. Click **Finished**.
12. Minimize the screen for later use.
13. End of section 1. Continue on to section 2.

SECTION 2 - SET SWITCHES AND STRAPS

For this section, refer to the **Switches and Straps** portion of the ***Installation*** section of the TL1 Pointmaster practice. Ensure that the proper cards are also inserted into the Dantel and are in the correct slots.

Take all ESD precautions appropriate:

- Install or remove modules from the shelf only when the power is off. If you install a module in the shelf with the power on, the internal circuitry may suffer damage and the product warranty will be void.
- Remove and install circuit boards only in a static-safe environment (use antistatic wrist straps, smocks, footwear, etc.).
- Keep circuit boards in their antistatic bags when they are not in use.
- Do not ship or store circuit boards near strong electrostatic, electromagnetic, magnetic, or radioactive fields.
- For more complete information on electrostatic discharge safety precautions, refer to Bellcore™ Technical Reference # TR-NWT-000870.

Power Supply Card

1. On the Power Supply Module, set strap J7 across pins 1 and 2.
2. On the RS-232 subassembly (located on the Power Supply card), set the strap X1 across pins 2 and 3. This will be the same as the ON position indicated on the card, and sets the DCD active.
3. On the same RS-232 subassembly, set strap X2 across pins 2 and 3. This sets the CTS active.
4. Power Supply module set-up complete. Continue with CPU Module.

CPU Module

5. On the CPU Module, set the strap J3 across pins 2 and 3. This enables the battery backup.
6. CPU module set-up complete. Continue with power connections.

Power Connection

7. Prior to connecting power, verify the polarity and wiring. Refer to the **Wiring** portion of the ***Installation*** section of the TL1 Pointmaster practice. Verify:
   - -48VDC connected to screw position 1
   - Battery return connected to screw position 3 on the front of the Dantel unit (next to the reset button)
   - Frame ground connected to the top of the Dantel chassis (location is marked)

CONTINUED . . .

8. Install all fuses and power the unit up using a white color, GMT-type, 1 1/3 amp fuse.
9. Power connections complete. Continue with status check.

Status Check

Refer to the **LED's** portion of the ***Circuit Description*** section of the TL1 PointMaster practice.

10. Check the status of the CPU/Alarm LED.
    - ♦ Solid Green - normal CPU operation
    - ♦ Solid Red - actual alarm on one or more points
    - ♦ Flashing Red - card failure

    Continue to following steps.
11. Verify that the fuse LED is off.
12. Verify that the low battery LED is off.
13. End of section 2. Continue on to section 3.

SECTION 3 - DATABASE CONFIGURATION

Using a straight-through cable, connect the PC or laptop's communications port (DB-9) to the Craft Port (DB-9) on the front of the Dantel unit.

1. Open the TL1 Editor program installed in section 1.
2. From the command line, select **File**, then **Terminal**.
3. From the command line, select **Port**, then select **Communications**. Confirm that the port is set for:
    - ♦ 9600 baud
    - ♦ 8-bit word length
    - ♦ No parity
    - ♦ 1 stop bit
    - ♦ full duplex

    Click **OK**.
4. Reselect **Port** from the command line. Select **Connect**.

NOTE: For additional information on configuration of the PointMaster, refer to the **Configuration** portion of the ***Installation*** section of the TL1 PointMaster practice.

***NOTE**: Read all of step 5 before any of the functions described in step 5.*

5. Perform a hard reset of the Dantel unit by pressing the reset button and holding it for 10 seconds. Watch for the diagnostic results on the screen. After power up or reset, the PointMaster performs a self-test, after which it reports the results of that test and prompts you to enter "**!!!**" to keep the connection.

CONTINUED . . .

The DB-9 connector is active for 30 seconds to allow the installer to enter "**!!!**". The "**!!!**" input must be completed within 0.5 seconds. (If this is not accomplished, the Craft Port access is switched to the wire-wrap tereminals.)

The first time that **Enter** is pressed after the "**!!!**", the screen reports "**command error**". This is normal.

If no connection is established, verify that the steps described here were performed correctly. Verify also, the cables and connections. A flashing red LED indicates a card failure. This may prevent the diagnostics from running. If problems persist, contact Dantel Customer Support at 800.432.6835.

6. Press Enter. If the unit fails to respond with a ">", enter "**!!!**" to give the local computer access to the Craft Port. Repeat step 5, above, if necessary.

7. Type **TIMEOUT 30** and press Enter. This sets the timeout period for 30 minutes. Refer to the Timeout command in the ***Printer Syntax*** section of the TL1 PointMaster practice.

8. Check if any cards failed the diagnostics test and replace as needed. Where no cards failed, but a flashing red LED persists, contact Dantel. Contact proper supply personnel if no spares are on hand.

9. If a solid red LED is present, type **ACK ALL** and press Enter. Repeat.

10. Type **SYS** and press Enter. Any alarms shown with an "F" have an alarm on that point and must be cleared to allow proper TL1 synchronization with the monitoring system.

11. Clear all alarms. When all alarms are cleared, a green LED will show on the front of the Dantel unit.

*NOTE: For the following steps, it may be helpful to refer to the **TL1 PointMaster Menus** portion of the **Installation** section of the TL1 PointMaster practice.*

12. Type **MENU** and press Enter.

Master Port

13. Type **6** and press Enter.
Screen moves to line 6: Master Port Options.

14. Select option **1** and press Enter.
Screen moves to line 6.1: Master Port Protocol.

15. Select option **6** and press Enter.
Screen moves to line 6.1.6: Use TL1 on Master Port.

16. Select option **2** and press Enter. Screen moves to line 6.2: Master Port Communications Parameters.

CONTINUED . . .

17. In screen 6.2, verify the following default settings:
    - ♦ 9600 baud
    - ♦ Parity none
    - ♦ Stop bit 1

    If any of these settings are incorrect, change them using options 1, 2, and 3.
18. Go to option **4** and select **3** (RTS on before transmit).
19. Type **0** and press Enter. This returns you to the Master Port Options menu. Select option **3** to confirm any changes.
20. Type **0** and press Enter to return to the Main Menu.

System Configuration

21. From the Main Menu, select option **4**. Screen moves to line 4: Adjust PointMaster Time and Date Settings.
22. Select option **2** and press Enter. Screen moves to line 4.2: Set Time.
23. Enter the time (**HH:MM:SS**) and press Enter. Screen returns to Adjust PointMaster time and Date Settings.
24. Select option **3** and press Enter. Screen moves to line 4.3: Set Date.
25. Enter the date (**MM-DD-YYYY**).
26. If a password is desired, select option **4** and press Enter. Screen moves to line 4.4: Set Password.
27: Enter your password and confirm it by entering it a second time. Note that the password is case-sensitive. Use all lowercase.
28. Type **0** and press Enter to return to the Main Menu.
29. Select **0** and press Enter to exit the Main Menu.
30. End of menu configuration. Continue on to TL1 Editor portion.

TL1 EDITOR

1. Go to **File** and click on **Terminal**.
2. If the site database is on a disk, load that dosk into the floppy drive and proceed to step 3. If not, click on NEW and create the database for the site, then proceed to step 6.
3. In the TL1 Editor program, highlight and click on the second icon, **Open Existing Database File**.
4. Click **Look In** and select **A:**. Highlight the **XXX.PDB** file.
5. Click **Open**. This downloads the file to the TL1 Editor.

CONTINUED . . .

6. Select **View** in the toolbar. Then select **Options**. Verify that the module part number shown is appropriate for the Dantel alarm unit being installed. Select the module part number to match that shown on the front inside plate of the Dantel unit.
7. Set the TL1 Issue to **Issue 5**.
8. Set the Respond to Invalid SID to **Yes** (default setting)
9. Select **Transfer** in the toolbar. Then select **Download**.
10. Verify the download parameters and enter the PointMaster password. Normal parameters are:
    - ♦ 9600 baud
    - ♦ 8-bit word length
    - ♦ No parity
    - ♦ 1 stop bit
    - ♦ Full duplex
    - ♦ Timeout 3 seconds
    - ♦ Resend 3
    - ♦ Transfer mode direct
    - ♦ PointMaster address 1
11. Select the **Transfer** button on the bottom of the screen. Watch for "Download Complete".
12. End of section 3. Continue on to section 4.

SECTION 4 - FINAL STEPS

Upon completion of the download, disconnect the PC from the PointMaster's Craft Port and do a soft reboot. Before calling into NOC, wait 5 minutes for the PointMaster to go through its self-test.

1. Create some Major Alarms on the PointMaster to simulate actual alarm conditions and verify that these alarms are seen on NOC terminals. They should match the alarm designations on the equipment.
2. The remaining alarms shall be verified by strapping to ground and touching the pins on the Dantel Pointmaster.
3. Clear all alarms. If the Craft Port is wired for remote access, the NOC operator should verify that they can enter the menu to make configuration changes remotely.
4. This completes the Installation Guide.

WARRANTY

LIMITED WARRANTY

The Seller warrants that the standard hardware products sold will be free from defects in material and workmanship and perform to the Seller's applicable published specifications for a period of 18 months for hardware, and 3 months for software, from the date of the original invoice. The liability of the Seller hereunder shall be limited to replacing or repairing, at its option, any defective products which are returned F.O.B. to the Seller's plant, (or, at the Seller's option, refunding the purchase price of such products). In no case are products to be returned without first obtaining permission and a customer return authorization number from the Seller. In no event shall the Seller be liable for any consequential or incidental damages.

Equipment or parts which have been subject to abuse, misuse, accident, alteration, neglect, unauthorized repair or installation are not covered by warranty. The Seller shall make the final determination as to the existence and cause of any alleged defect. No warranty is made with respect to custom equipment or products produced to the Buyer's specifications except as specifically stated in writing by the Seller in the contract for such custom equipment.

This warranty is the only warranty made by the Seller with respect to the goods delivered hereunder, and may be modified or amended only by a written instrument signed by a duly authorized officer of the Seller and accepted by the Buyer.

Warranty and remedies on products not manufactured by the Seller are in accordance with warranty of the respective manufacturer. THE SELLER MAKES NO OTHER WARRANTY OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED; AND ALL IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEEDS THE AFORESAID OBLIGATIONS IS HEREBY DISCLAIMED BY THE SELLER.

IN CASE OF DIFFICULTY

If you experience difficulty with this equipment, check the following, as appropriate:

1. **Switch settings**
2. **Signal levels**
3. **Software configuration**
4. **Connections between Dantel's equipment and your equipment.**

If there is still a problem, substitute equipment that is known to be good. For additional assistance, call Dantel's Technical Field Service Department weekdays, 6 A.M. to 5 P.M. pacific time:

1-800-4DANTEL (1-800-432-6835).

If a thorough checkout shows a piece of equipment has malfunctioned, you may return it to the factory. For repairs and emergency replacements, obtain a Return Material Authorization (RMA) number from the Customer Service Representative at **1-800-4DANTEL** (1-800-432-6835).

To ensure expedient processing of your order, provide a purchase order number and shipping and billing information when requesting an RMA number. Also, when the units are returned to Dantel, include a description of the failure symptoms for each unit returned. Send defective equipment to:

Dantel, Inc. • 2991 North Argyle Avenue • Fresno, California 93727-1388

Dantel

P.O. Box 55013 • Fresno, CA 93747-5013 Phone (559) 292-1111 Fax (559) 292-9355 http://www.dantel.com