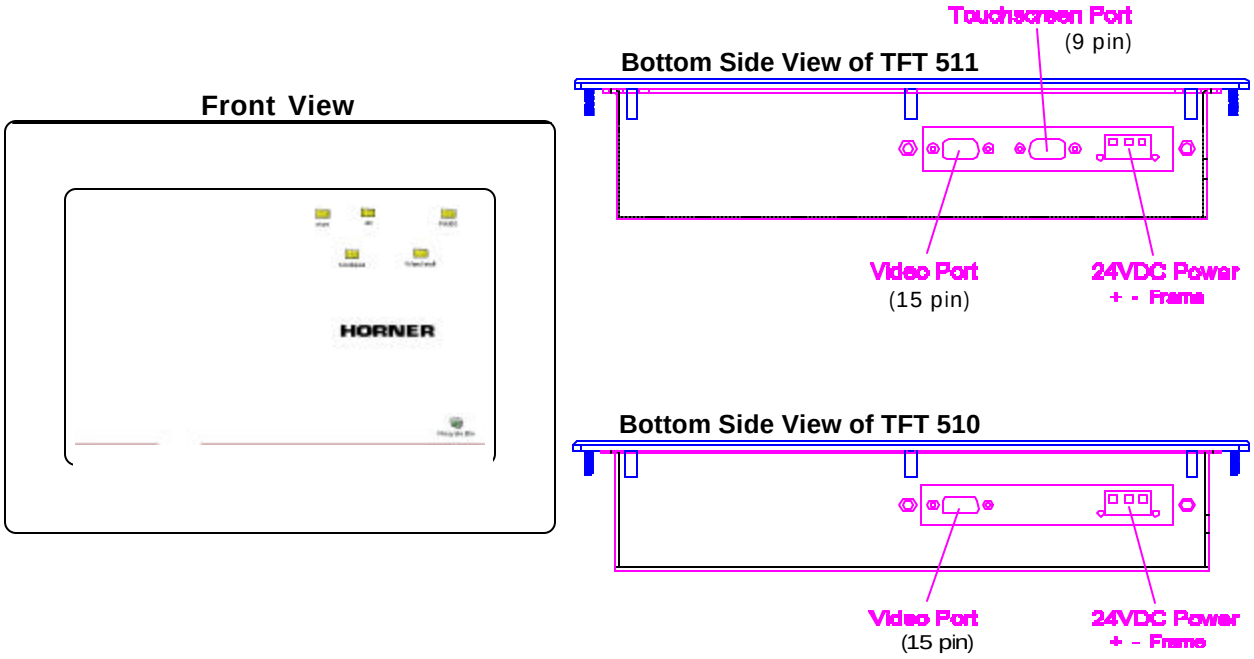
Flat Panel Display
Product Specifications and Installation Data

DESCRIPTION

The HE693TFT510 and the HE693TFT511 offer the latest in flat-panel technology. The 10.4" active matrix displays are housed in panel-mountable, NEMA 4-12 rated industrial enclosures. These displays feature VGA resolution (640 X 480) with 256-color capability, and are compatible with standard PC-based devices which support VGA monitors.

The TFT511 differs from the TFT510 in that it adds a high resolution touch screen. The TFT511 interfaces to the RS-232 port and emulates a DOS or Windows mouse.

ILLUSTRATION



SPECIFICATIONS

Specifications	TFT 510	TFT 511
Display Type	Active Matrix TFT Color	
Size (HxWxD)	10.25"x12.125"x2.5"	
# of Colors	256	
Video Resolution	640x480	
Video Interface	Standard PC DE15 VGA	
Touchscreen Type	NA	Resistive
Touchscreen Resolution	NA	40,000 points per squared inch
Touchscreen Interface	NA	RS232
Touchscreen Emulation	NA	Dos or Windows Mouse
Power Requirements	24 VDC, 1A continuous, 1.7 A (surge) 175 mS	
Maximum OperatingTemperature	50 degrees C	40 degrees C

Windows NT 3.51/4.0 Installation Instructions

1. Power the computer up into Windows NT.
2. Insert the "Touch Screen Drivers for Windows NT" disk into drive A or B.
3. Click the Windows NT **Start** button, and select **Run.**

4. Type *a:\setup* in the space provided and press ENTER.
5. After reading the Wizard Setup screen thoroughly, click **Next** to proceed to the next screen.
6. Select the desired Destination Directory or click **Next** to accept the default path.
7. The following installation options will now appear: select **Typical** (default) or **Custom** installation (to make additional changes). Select the appropriate option, then click **Next** when finished.
8. Select your Controller Type (serial) and Com Port (an available port on your machine), then click **OK**.
9. Since the setup of your computer has changed, your computer will need to be rebooted for the changes to take effect.
10. After your machine reboots, select the **Start** button, **Settings**, and click on **Control Panel**.
11. Next select the Elo Touchscreen .
12. Select **Drag, double-click** option from the Touchscreen menu.
13. Click the **Calibrate** option in the upper right corner.
14. To calibrate the touchscreen, touch the targets on the screen.
15. When the Check Calibration screen appears, click the **Yes** option if the cursor jumps to your finger tip otherwise click **No** and follow the on-screen directions.
16. When you return to the Touchscreen menu, click **OK**.
17. You will now be able to use your touchscreen display as well as the hand held mouse.

Windows 95 Installation Instructions

1. Power the computer up into Windows 95.

2. Insert the “Touch Screen Drivers for Windows 95” disk into drive A or B.

3. Click the Windows 95 **Start** button, and select **Run**.

4. Type *a:*\s*etup* in the space provided and press ENTER.

5. After reading the Wizard Setup screen thoroughly, click **Next** to proceed to the next screen.

6. Select the desired Destination Directory or click **Next** to accept the default path.

7. The following installation options will now appear: select **Typical** (default) or **Custom** installation (to make additional changes). Select the appropriate option, then click **Next** when finished.

8. Select your Controller Type (serial) and Com Port (an available port on your machine), then click **OK**.

9. Since the setup of your computer has changed, your computer will need to be rebooted for the changes to take effect.

10. After your machine reboots, select the **Start** button, **Settings**, and click **Control Panel**.

11. Next select the Elo Touchscreen.

12. Select **Drag, double-click** from the Touchscreen menu.

13. Click the **Calibrate** option in the upper right corner.

14. To calibrate the touchscreen, touch the targets on the screen.

15. When the Check Calibration screen appears, click the **Yes** option if the cursor jumps to your finger tip, otherwise click **No** and follow the on-screen directions.

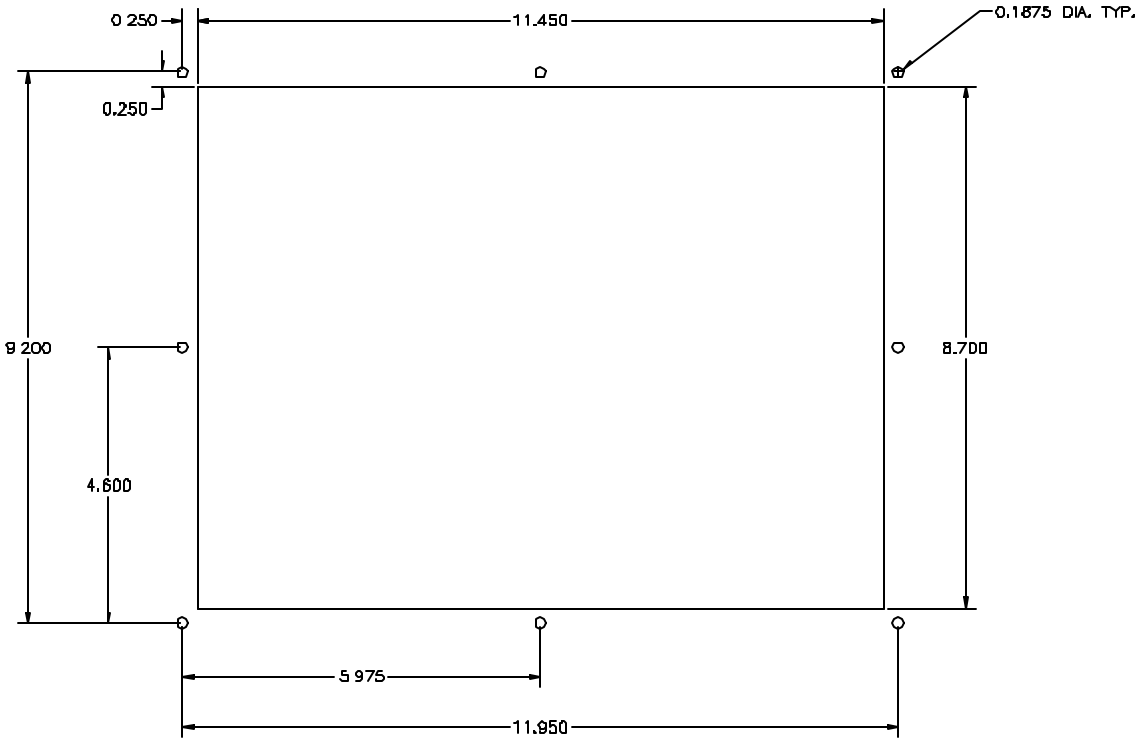
16. When you return to the Touch screen menu, click **OK**.

17. You will now be able to use your touch screen display as well as the hand held mouse.

DOS/Windows 3.X Installation Instructions

1. Power the computer up in the DOS environment.
2. Install the “Touch Screen Drivers for DOS & Windows 3.1” disk into drive A or B.
3. At the C prompt (C:\) type *A:*\.
4. Once the prompt changes to A:\, type *install* and press the ENTER key.
5. When the Elo Touch Systems screen appears, press the ENTER key.
6. This screen consists of four installation steps, press the ENTER key to proceed forward.
7. Specify the path for your installation and press the ENTER key.
8. Select **DOS Express Installation**, for a DOS installation, or select **Windows Express Installation,** for a Windows installation. Press the ENTER key to accept the default path.
9. At the Touchscreen Controller Interface screen, select Serial and press the ENTER key.
10. Select the serial port where the controller is connected, either Com 1 or 2 (whichever port is available) and press the ENTER key.
11. Select E271 2210 Accu-touch and press the ENTER key.
12. At the Testing For Controller screen, press the ENTER key.
13. After loading is complete, the next screen allows you to select a directory to store the files in, or press the ENTER key to accept the default path.
14. Once the installation begins, you should be at the Update Batch Files screen. When the files are loaded, press the ENTER key. Your computer will then revert to the C prompt *(C:\)* in DOS mode.
15. At this time, your computer will need to be rebooted. Simultaneously press the CONTROL,ALT,DELETE keys to reboot.

CUTOUT DIMENSIONS



PANEL MOUNTING

Mounting Instructions

1. Cut the host panel as described in the drawing above.
2. From the front, insert the TFT through the panel cutout.
3. Align the 8 mounting screws of the display with (8) 0.1875” diameter cutouts on the panel.
4. Use (8) #6-32 thread nuts to secure the TFT into the panel cutout.
5. Tighten #6-32 thread nuts to form a tight seal. Begin by tightening the top and bottom nuts, then the sides, and then the corners. Do not over tighten.
6. Connect the communication and power cables to the appropriate connectors.

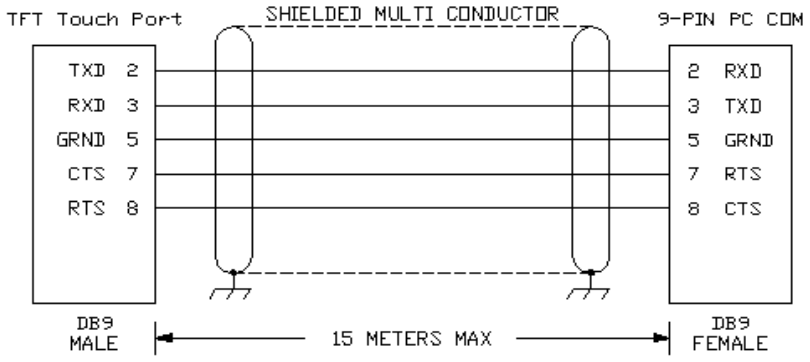
VIDEO INTERFACE PIN-OUTS

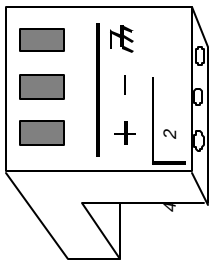
Fifteen Pin Video Interface Pin-out

Name	15-pin D-Shell (female)
Red	1
Green	2
Blue	3
GND-Red return	6
GND- Green return	7
GND- Blue return	8
Hsync	13
Vsync	14

CABLE PIN-OUTS

DB9 Male to Female Cable Pin-out





Power Connection