VT 220

Installation Guide

Digital Equipment Corporation

VT100.net
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<table>
<thead>
<tr>
<th>digital</th>
<th>DECwriter</th>
<th>P/OS</th>
<th>UNIBUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEC</td>
<td>DIGITAL</td>
<td></td>
<td>VAX</td>
</tr>
<tr>
<td>DECMate</td>
<td>LA</td>
<td></td>
<td>VMS</td>
</tr>
<tr>
<td>DECnet</td>
<td>MASSBUS</td>
<td></td>
<td>VT</td>
</tr>
<tr>
<td>DECUS</td>
<td>PDP</td>
<td></td>
<td>Work Processor</td>
</tr>
</tbody>
</table>
# SITE PLANNING SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIDEO TERMINAL WEIGHT</td>
<td>11.8 Kg (26 lbs.)</td>
</tr>
<tr>
<td>KEYBOARD WEIGHT</td>
<td>2 Kg (4.5 lbs.)</td>
</tr>
<tr>
<td>ELECTRICAL REQUIREMENTS</td>
<td>90 VAC to 128 VAC, 47 Hz to 63 Hz</td>
</tr>
</tbody>
</table>

**OR**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>180 VAC to 268 VAC, 47 Hz to 63 Hz</td>
</tr>
</tbody>
</table>

# OPERATING CONDITIONS

<table>
<thead>
<tr>
<th>Condition</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELATIVE HUMIDITY</td>
<td>10% to 90%</td>
</tr>
<tr>
<td>TEMPERATURE</td>
<td>10 °C to 40°C (50°F to 104°F)</td>
</tr>
</tbody>
</table>
VT220 INSTALLATION
Unpack and check the contents of each carton

- VIDEO TERMINAL
- KEYBOARD
- KEYBOARD CABLE
- POWER CORD
- INSTALLATION GUIDE
- KEYBOARD STANDOFFS
- OWNER'S MANUAL
- PROGRAMMER'S POCKET GUIDE
- KEYBOARD LEGEND STRIP
- FUSE AND FUSE CARRIER (FOR EUROPE ONLY)

MISSING ITEMS?

- Identify item(s)
- Contact your sales representative and delivery agent

DAMAGE?

- Stop unpacking
- Contact your sales representative and delivery agent
Identify connectors on rear panel of terminal

- Composite Video Output Connector
- Comm EIA Host Port Connector
- 20mA 20mA Host Port Connector
- PR Printer Port Connector
- Fuse
- Power On/Off Switch
- Voltage Selection Switch
- Power Cord Connector (Do Not Remove Label)
- KB Keyboard Cable Connector
Install legend strip

1. Open clear plastic window.

2. Insert new legend strip directly over the one presently on the keyboard.

3. Close clear plastic window.

Install keyboard standoffs.
Connect keyboard to video terminal

1. Insert longer end of keyboard cable into connector on bottom of keyboard.

2. Press cable into short groove of keyboard if routing to the left.

3. Press cable into long groove of keyboard if routing to the right.

4. Insert keyboard cable into connector on rear of terminal.
Match power cord to wall outlet voltage.

POWER CORD

115V

230 V
Set voltage selection switch to match power cord voltage

CAUTION

Your terminal may be damaged if the voltage selection switch is set incorrectly.
The voltage selection switch on your VT220 terminal was set to 115 volts by the manufacturer. If your input voltage is 230 volts, the voltage selection switch must be set to 230 volts, and both the fuse and fuse carrier must be replaced with the 230 volt parts provided.

115V

Make sure voltage selection switch is set to 115V.

230V

Set voltage selection switch to 230V
Remove and replace fuse and fuse carrier with 230V replacement parts.
Make sure the power switch is in the "0" (off position).

READ caution label over power cord connector. Then remove label.

Plug power cord into power cord connector on video terminal and into wall outlet.
Start up your terminal

1. Set the power switch to "1" (on position).

2. Make sure "Power OK" Indicator, the small green light on the front of your terminal, is on.

3. Listen for bell tone from keyboard.
4. Wait about 30 seconds for the display shown above to appear on the screen.

If you had problems, refer to page 14.
Set brightness and contrast controls

1. Increase both the brightness and contrast to maximum.

2. Decrease the brightness until the white diagonal lines just disappear.

3. Decrease the contrast until the display relative to the screen background is of the desired intensity.
Adjust viewing angle

With front of monitor resting on flat surface, raise rear of monitor until screen is at desired viewing angle. Press tilt leg release button to release tilt leg.
Refer to the following illustration for connecting the optional EIA, 20 mA, or printer cables to your terminal.

**CAUTION**
Set power switch to “O” (off position) before connecting cables.

Set power switch to “1” (on position) after connecting cables.
CONGRATULATIONS

You have installed your video terminal successfully. Refer to your Owner's Manual for information that will get you started on your new VT220 terminal.
<table>
<thead>
<tr>
<th>Problem</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;Power OK&quot; indicator is off</td>
<td>Check wall outlet. Make sure power cord connections are secure. Check fuse.</td>
</tr>
<tr>
<td>&quot;Power OK&quot; indicator on</td>
<td></td>
</tr>
<tr>
<td>Keyboard bell tone heard</td>
<td>Adjust brightness and contrast until &quot;VT220 OK&quot; appears on screen. (See page 10)</td>
</tr>
<tr>
<td>No screen display</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>Call Digital Service Information (800)-DEC-8000</td>
</tr>
</tbody>
</table>