



Installing a User EEPROM in a Series D or E PanelView Terminal

(Cat. No. 2711-NM3)

Description

The PanelView terminal is designed so that you can install an optional user EEPROM.

An EEPROM can be used as backup for the application file or as 64K of additional application memory, depending on its configuration in the PanelBuilder Development Software.

With an EEPROM used for application backup (not as extra application memory), the application file is automatically copied to the EEPROM when it is downloaded into the terminal.

For details on configuring the EEPROM for extra application memory, see the *PanelBuilder Development Software User Manual*, Chapter 3, *Using PanelBuilder*; for more information on programming EEPROMs, see the *PanelBuilder Development Software User Manual*, Chapter 6, *File Operations*.



ATTENTION: Make sure the power cable is disconnected before you open a PanelView terminal.

To install a user EEPROM:

1. Disconnect the power cable, Remote I/O cable, and RS-232 cable.
2. Take the necessary precautions against electrostatic discharge. Ideally, you should use an anti-static mat or wear a grounding wrist strap whenever you work with any electronic components sensitive to electrostatic discharges.

If you're not using an anti-static mat or wrist strap, follow these precautions before you touch any components inside a PanelView terminal:

- assume your body is always carrying an electrostatic charge
- frequently touch any grounded metal surface to discharge yourself

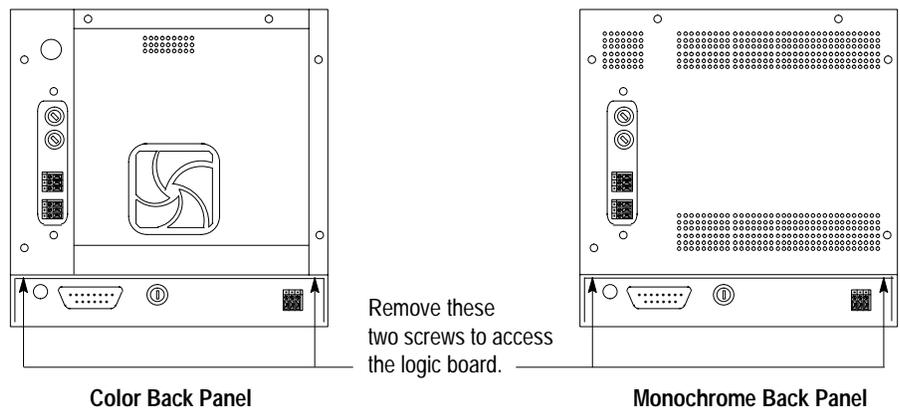
- wear cotton clothes, not wool or synthetic fabrics
- don't move too much or scuff your feet when walking on carpets
- be extra careful in low-humidity environments



ATTENTION: The electronic components in the PanelView terminal are extremely sensitive to static electricity and may be permanently damaged by electrostatic discharges.

3. Open up the PanelView terminal logic drawer. Remove the two screws located near the bottom back of the unit to drop the tray containing the board.

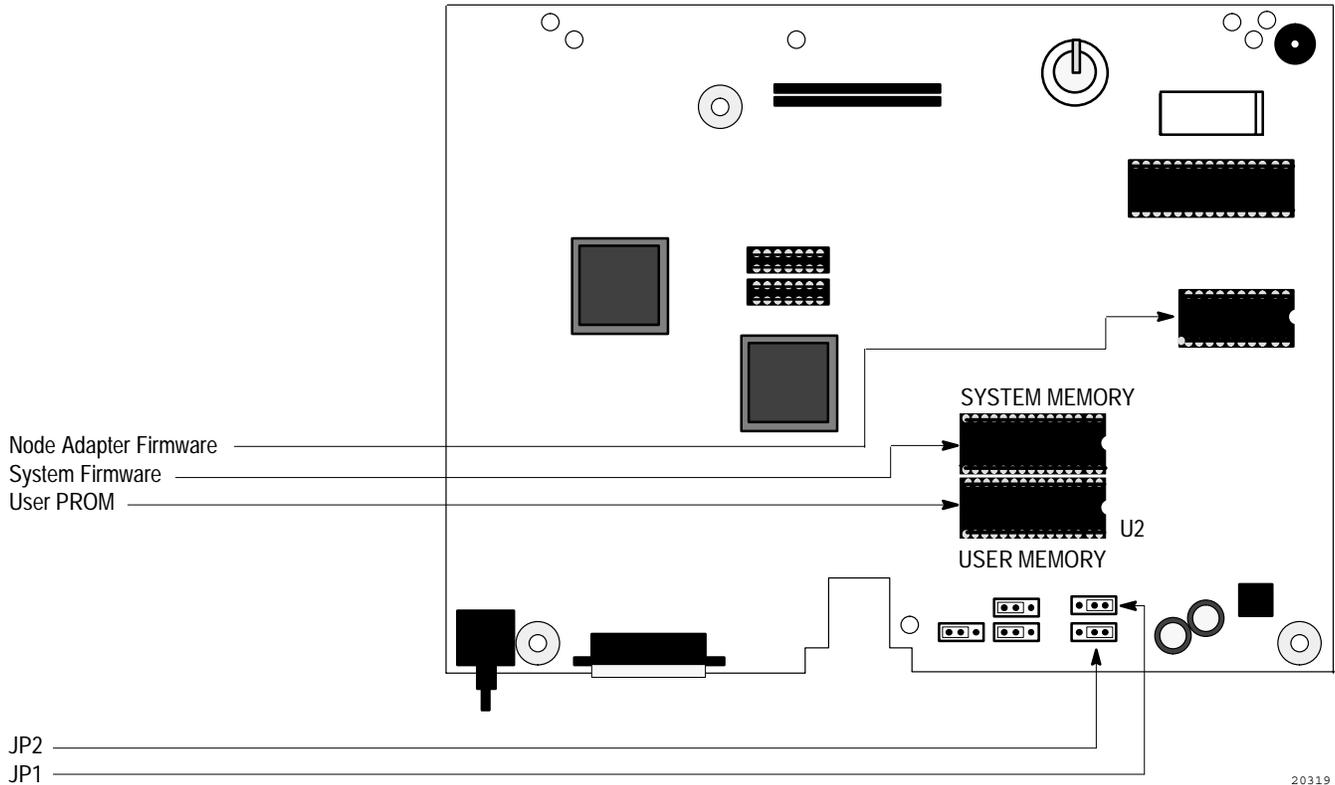
Figure 1
Opening the Series D or E PanelView Terminal



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4. Socket **U2** is labeled User Memory as shown in Figure 2.
5. Set the jumpers **JP1** and **JP2** to the right-most pins, labeled EPROM/EEPROM (as shown in Figure 2).

Figure 2
PanelView Series D or E Logic Board, with Jumpers JP1 and JP2 in the
EPROM/EEPROM Position



6. Gently ease the chip's pins into the socket.



ATTENTION: The notch on the chip **MUST** be on the same end as the notch on the socket.

When all the pins are properly positioned in their holes, and the notch is on the correct side, gently press the chip into the socket. It will go in easily if the pins are properly positioned.



ATTENTION: If you break or severely bend a pin, the chip will be unusable.

7. Close the PanelView terminal and fasten the screws, then reconnect the Remote I/O cable, RS-232 cable and power cable.

8. Verify that the PanelView terminal is working properly:
 - a. Connect power to the terminal.
 - b. Set the terminal to Configure mode and check the User EPROM/EEPROM Power-up Test setting. Set it to *Yes*.
 - c. Disconnect and reconnect power to the terminal.
 - d. If the following message appears, the EEPROM has not been installed properly, is corrupted, or has not been programmed:

Figure 3
EPROM/EEPROM Minor Fault Message



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If this message appears, consider the following points and repeat the installation procedure if necessary:

- make sure that the chip is seated properly in its socket and that no pins are bent
- make sure that the notch on the chip is on the same end as the notch on its socket



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