

# Model F40 Backlighting Option

PN 40881

The F 40 backlighting option provides improved visibility for displays installed indoors or used in darkness. To install this option, do the following:

1. Disconnect power to the remote display.
2. Open the cover and lower the hinged mounting panel.

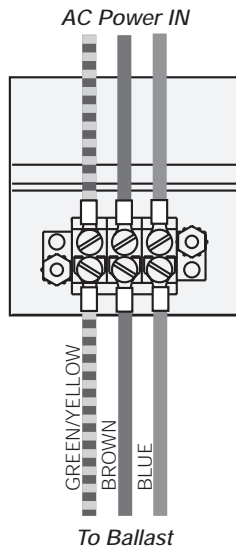


Figure 1. Power Connection for Backlighting Option



## Caution

Use a wrist strap to ground yourself and protect components from electrostatic discharge (ESD) when working inside the remote display enclosure.

3. Use the screws and nuts provided to attach the ballast to the flip digit mounting panel (see Figure 1). Wrap the 8-inch plastic tie around the ballast to secure the ballast cover to the base.
4. Remove plastic cover from AC power terminal, then remove the three screws that hold the wires going to the power supply board.
5. Insert the lock washers provided between the ballast and power supply wire pairs and reconnect wires to AC power terminal (see Figure 1). Tighten screws and replace plastic cover on power terminal.
6. Route wires from ballast to bulb socket locations. Install cable ties and cable tie mounts as shown in Figure 2. When done, return the flip digit mounting panel to operating position.
7. Install bulb sockets on the display cover as shown in Figure 3 on back of this sheet.
8. Install fluorescent bulbs in bulb sockets.

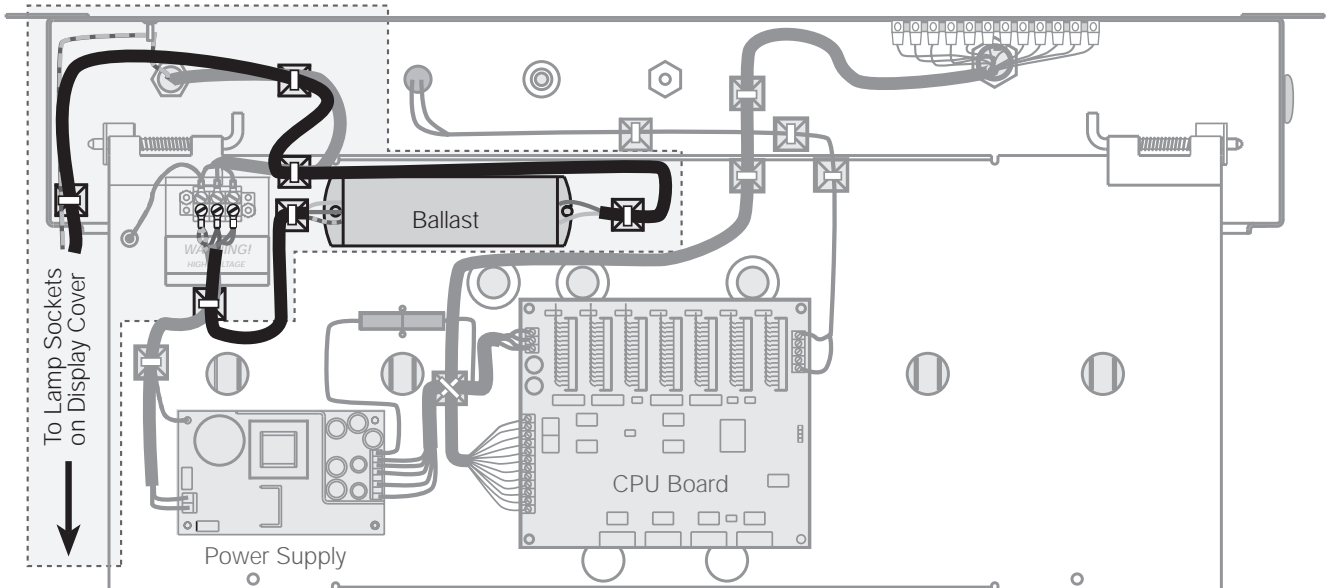


Figure 2. Flip Digit Mounting Panel, Showing Installed Backlighting Option

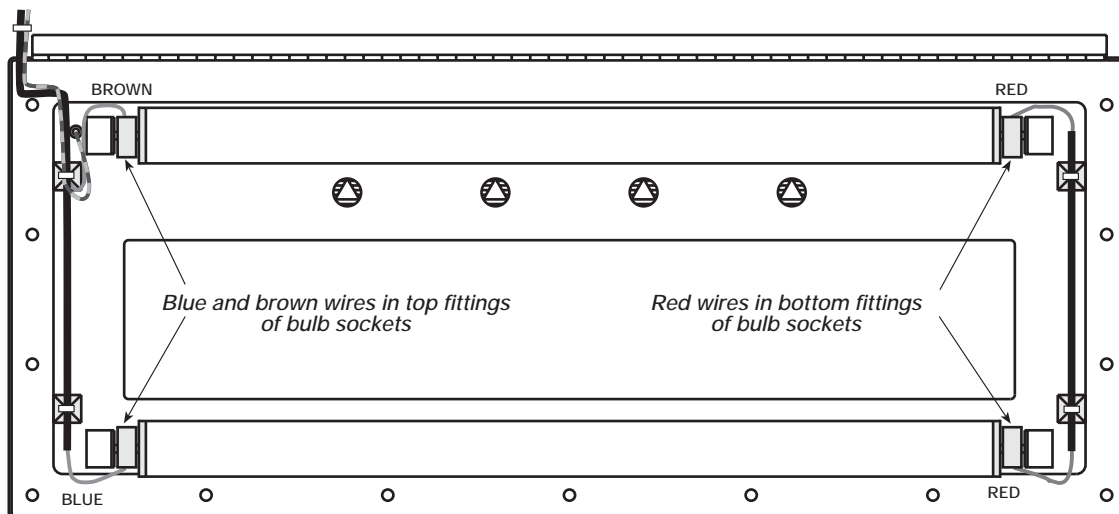


Figure 3. Bulb Wiring for F40 Backlighting Option

## Ballast Wiring and Fuse Replacement

Figure 4 shows the ballast used for Model F40 remote displays. The ballast uses two jumpers to select supply voltage and bulb wattage. If the ballast must be replaced, remove the ballast cover and ensure jumpers are set correctly on the new ballast. Replace blown fuses with fuses of the type shown in Figure 4.

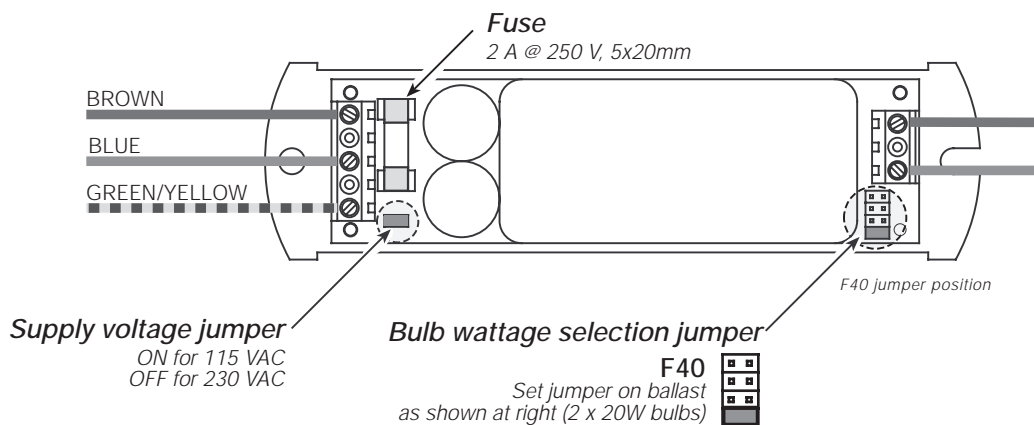


Figure 4. Ballast Wiring and Jumper Positions