

4

INSTALLATION

INTRODUCTION

This chapter describes the installation of the V Series panels, including:

- Panel placement

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MOUNTING PANELS

RACK MOUNT PANELS

Locate all panels at comfortable heights for operation and leave at least 2 inches (51 mm) of clearance behind the rear of the panel's chassis to allow for cable connectors.

Expansion panels that are intended to expand or enhance main panel operation are usually mounted next to or near the panel with which they are associated. Leave at least 2 inches (51 mm) of clearance behind the rear of the panel to allow for cable connectors.

Expansion panels can be connected to the main panel in a daisy chain using cables not more than 16 ft (5 m) long between each panel. The cable length of any daisy chain of panels must not exceed 24 ft (7.5 m) in total.

The expansion panels should be connected using straight through 8-way shielded CAT5 cable with RJ45 connectors.

DESKTOP PANELS

Desktop panels can be placed on a flat surface or they may be used as wall mounted panels. Where desktop panels are placed on a flat surface leave at least 2 inches (51 mm) of clearance behind the rear of the panel to allow for cable connectors.

In order to wall mount a desktop panel carry out the following steps:

1. Locate the panel fixing kit provided with the desktop panel. The contents of the kit are shown in Figure 4-1.

Leave sufficient clearance behind the rack mount panel to accommodate the external power supply if it is to be fitted to the back of the panel using the clips provided.

Desktop Panel Wall Mount Kit (not to scale)

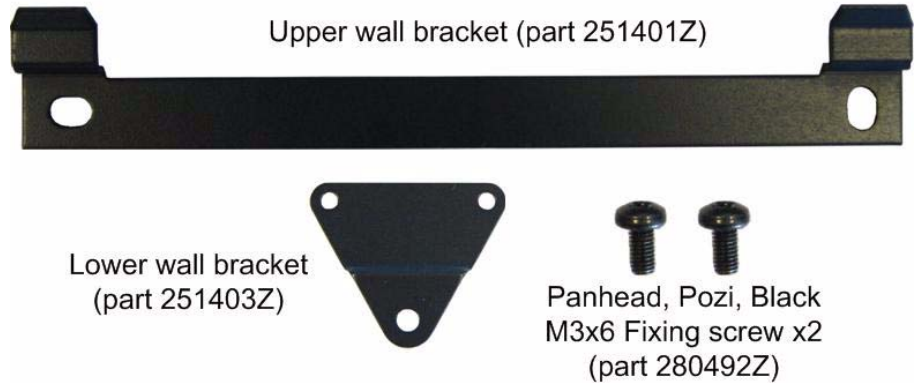


Figure 4-1: Desktop Wall Mount Kit

2. The panel front must be rotated when the desktop panel is wall mounted so that the controls and display face upwards. To do this remove the eight countersunk screws holding the front of the panel on. The countersunk screws are located on the ends of the panel, four on each end (Figure 4-2).

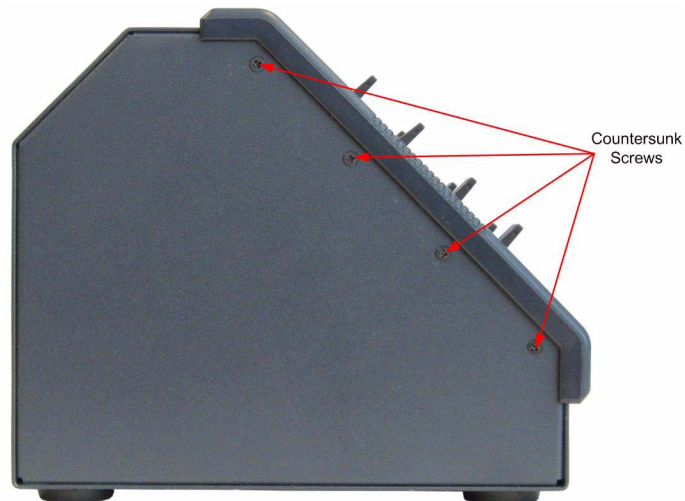


Figure 4-2: Desktop Panel Retaining Screws

3. Remove and retain all the screws and remove the front panel assembly. The cables connecting the front panel electronics to the main PCB are long enough to allow the panel front to be removed and rotated without having to unplug any of the cables.
4. Rotate the front panel 180 degrees taking care not to pull on any of the cables and reposition it. Ensure that no cables are trapped before refitting the screws. Apply pressure to the panel front to align the screw holes and fit the top and bottom screws loosely on each side before fitting the remaining screws and tightening all the

screws. When completed the front panel will be upside down when the panel is standing on a flat surface (Figure 4-3).



Figure 4-3: Desktop Panel with Refitted Display

5. Attach the upper wall bracket to the wall in the required position using suitable fixings. Allow enough clearance below for the panel for the lower fixing plate and the cable connections.

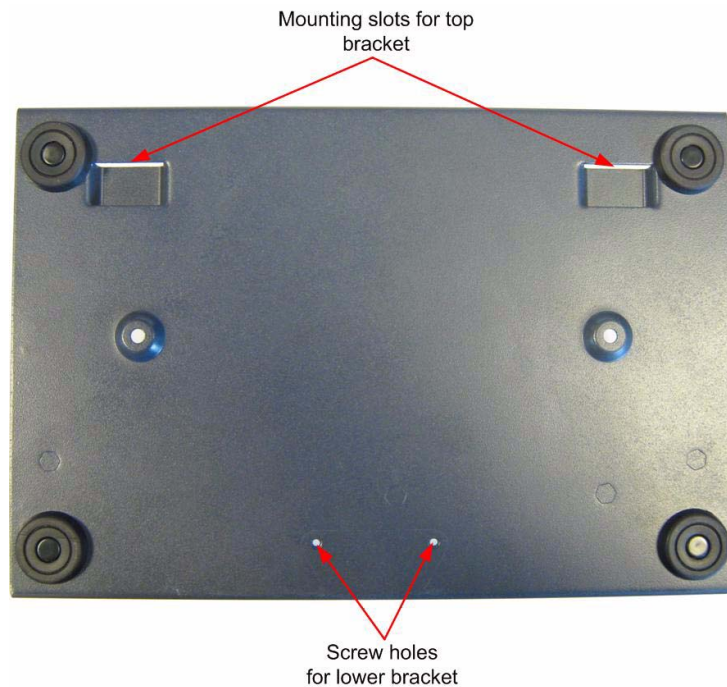


Figure 4-4: Desktop Casing Without Lower Bracket

6. Use the two fixing screws to attach the lower wall bracket to the rear of the desktop panel so that the offset part of the plate faces away from the panel body.

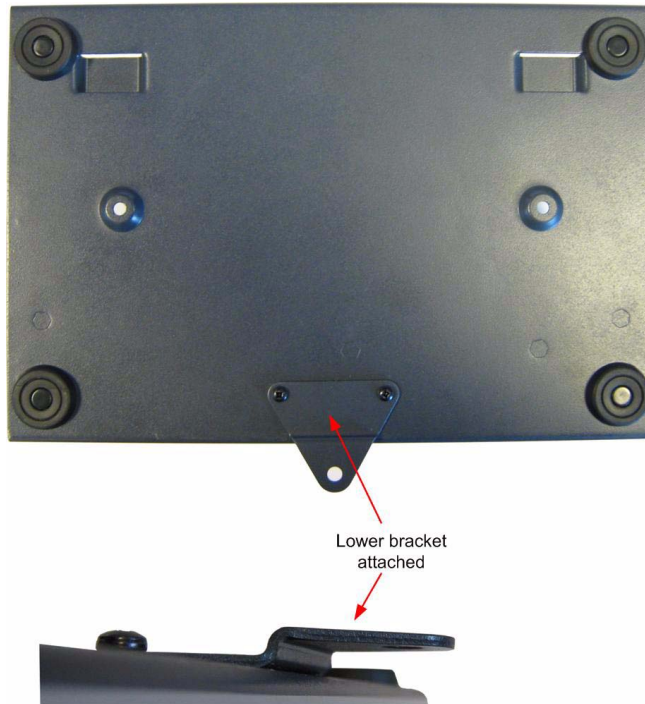


Figure 4-5: Desktop with Lower Bracket Fitted

7. Hang the panel on the upper wall bracket and mark the position of the screw hole for the lower bracket on the wall. Remove the panel and place a suitable fixing for the lower wall bracket.
8. Replace the panel on the upper bracket and attach the lower wall bracket to the fixing. Attach the cables to the connectors and power the panel up.