

Electrical

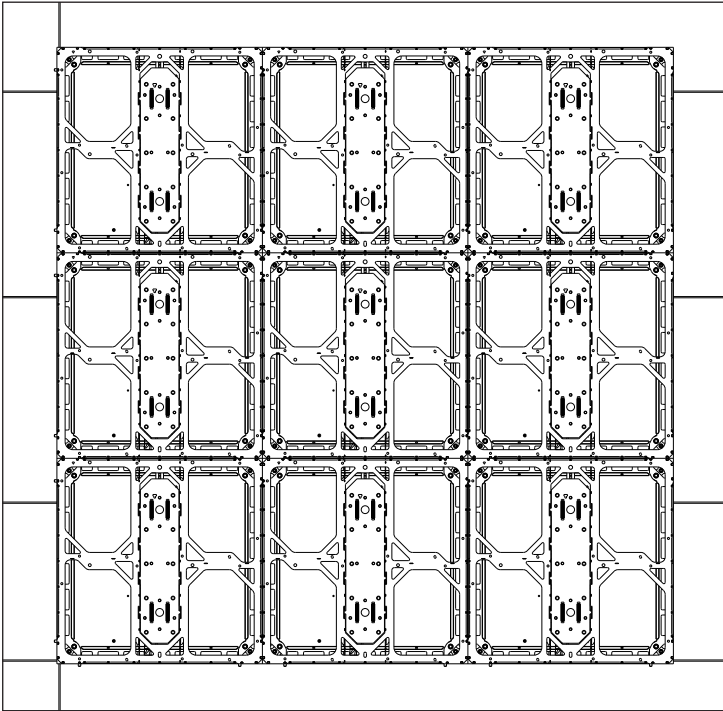


Figure 1: Standard Panel

PLR Installation

Refer to the contract-specific Riser Diagram for the correct PLR location.

The PLR hook mounts to the center vertical inside the display and secures with a screw.

- 1. Use a 5/16" nutdriver to remove the screw from the mounting plate. Refer to **Figure 2**.



Figure 2: PLR



Figure 3: Install PLR

- 2. Line up the tabs on the side of the mounting plate with the hook mount on the center vertical inside the panel. Refer to **Figure 3**.
- 3. Secure the mounting plate to the panel with the screw removed in **Step 1**.

Signal Connection

The panels daisy-chain between sections per the contract-specific Riser Diagram.

- 1. Connect a Cat 5e/Cat 6 cable from the panel to the PLR.
- 2. Route the Cat 5e/Cat 6 cable hanging loosely from the panel and plug it into the adjacent panel-mounted RJ45 jack.
- 3. Connect the last panel back to the PLR for redundant signal connection. Refer to the Riser Diagram.

Refer to **Figure 4** for an example of four panels connected together. Standard signal routing is horizontal with configurable jumpers available to vertically jump a row if necessary.

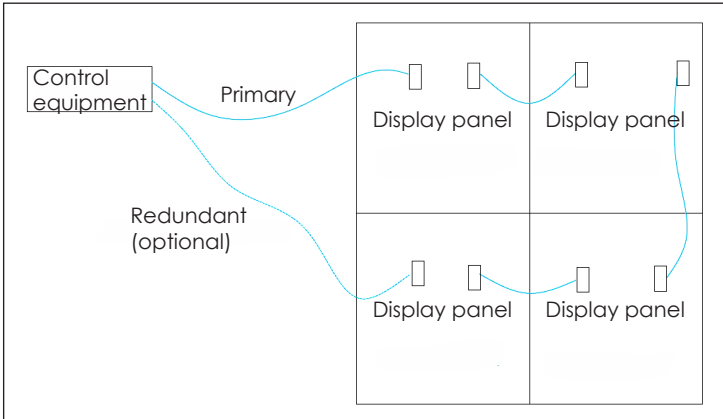


Figure 4: Signal Connection

Power Connection

Standard panels include power quick connects with pre-terminated connectors at each end.

Power interconnect cables are shipped with the displays. A new field power input cable is required for every 12 panels when using a one-phase power entrance and for every 36 panels when using a three-phase power entrance. Refer to the contract-specific Riser Diagram for more details.

Both vertical and horizontal interconnects are available. A typical horizontal solution is depicted in **Figure 5**. Standard power routing is horizontal with configurable jumpers available to vertically jump a row if necessary.

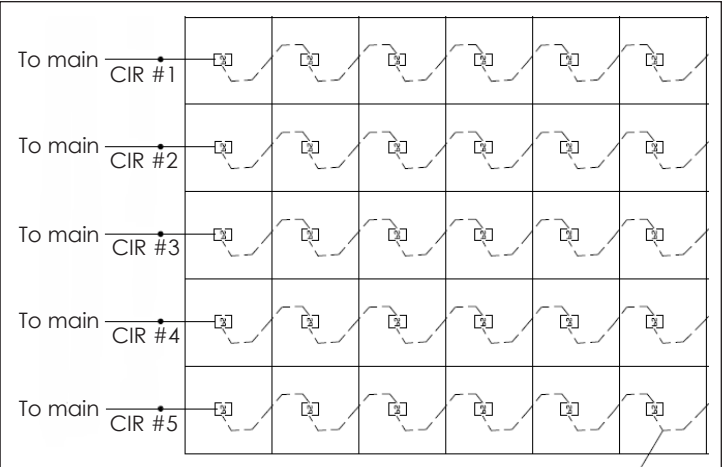


Figure 5: Horizontal Power Connection

A configurable power termination panel will be installed on-site. Refer to the contract-specific Riser Diagram for more details.

Power Entrance

Refer to the contract-specific Riser Diagram for the correct power entrance location.

The power entrance hook mounts to the center vertical inside the display and secures with a screw.

- 1. Use a 5/16" nutdriver to remove the screw from the mounting plate. Refer to **Figure 6** and **Figure 7**.

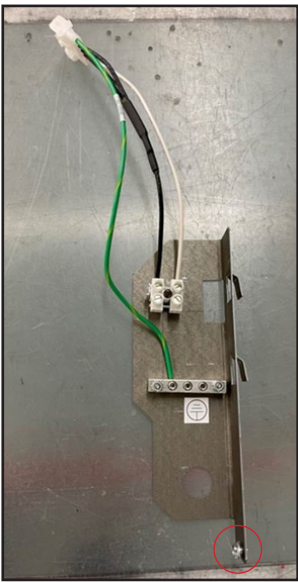


Figure 6: 1-Phase Power Entrance

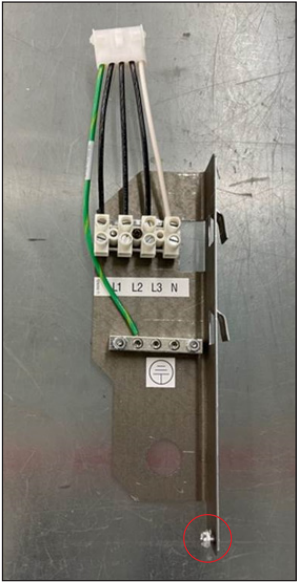


Figure 7: 3-Phase Power Entrance

- 2. Line up the tabs on the side of the mounting plate with the hook mount on the center vertical inside the panel. Refer to **Figure 8**.
- 3. Secure the mounting plate to the panel with the screw removed in **Step 1**.

Connect the power harnesses together between panels for power interconnection. Refer to the contract-specific Riser Diagram for more details.



Figure 8: Install Power Entrance

Module Installation

Panels have four modules as shown in **Figure 9**.

- 1. Disconnect power to the display.
- 2. Align the connector on the rear of the module with the corresponding connector on the panel.
- 3. Place the module into position. Press firmly (with a gloved hand flat against the module face) in locations shown.

Follow the front-access and rear-access module removal steps in the **DVN-3001 Series Service Quick Guide (DD4774243)** to remove a module.

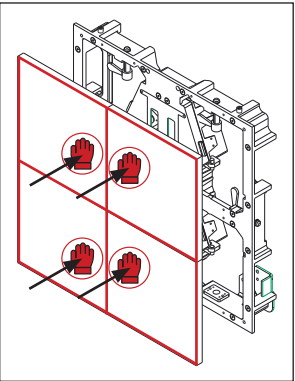


Figure 9: Modules on Panel