

**Reproduction Reference  
DD3411785—P1686  
VX-2428-(48 and 64)xXX-20 Display Installation  
Quick Guide**

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- 1) This page is for reproduction reference only and will not be included in the quick guide.
- 2) Copy this quick guide on front and back pages using 8 1/2 x 11 paper.
- 3) Print Drawing **B-3385683** on 11 x 17 paper and insert it after the last page of this quick guide.
- 4) Staple pages together in the upper-left corner.
- 5) Please direct questions and suggestions to Transportation Admin.



# VX-2428-(48 and 64)xXX-20 Display Installation Quick Guide

Page 1 of 2

For more information on installation, contact Daktronics at the number listed on the bottom of this quick guide.

**Note:** Daktronics is not responsible for mounting methods or the structural integrity of support structures provided by others.

## Mounting Tools

- Center Punch
- Drill
- Drill Bit (should be no larger than  $\frac{1}{16}$ " larger in diameter than bolts used)
- Wrenches sized for hardware chosen

## Lifting the Sign

The top of each display is equipped with lift plates at the top corners. Use all lift plates when lifting the display. Ensure the angle between the LED panel and the cable or chain is more than 45° before lifting; refer to the appropriate **Shop Drawing** and **Figure 1**.

The lift plates are designed to carry only the weight of the display. Do not lift the mounting structure or other additional weight. Do not permanently support the display with the lift plates.

**Note:** Lift plates are not removable.

Contact Daktronics with additional questions about lifting the display.

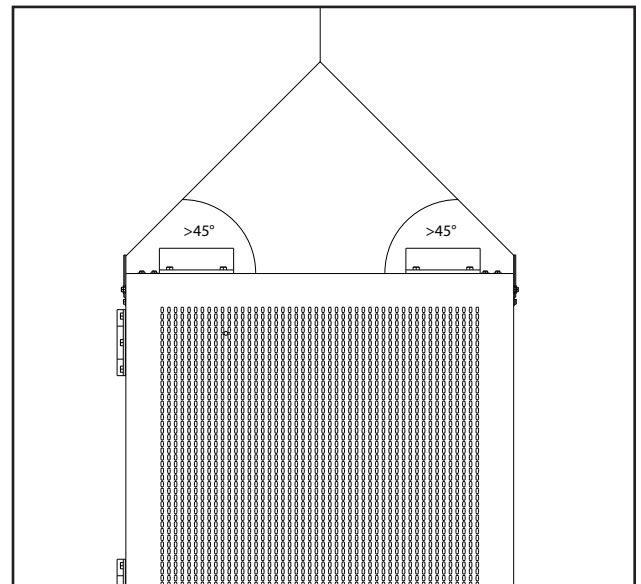


Figure 1: LED panel lifting

## Sign Weights

Sign Size	Weight (LBS)	Weight (KG)
VX-2428-48x48-20	188	86
VX-2428-48x64-20	223	102
VX-2428-48x80-20	253	115
VX-2428-64x48-20	217	99
VX-2428-64x64-20	258	118
VX-2428-64x80-20	294	134

### Mounting

1. Securely mount each display to a suitable mounting structure provided by others. Daktronics attached aluminum angles to the top and bottom corners of the display for mounting; refer to the appropriate **Shop Drawing**. Use all angles when mounting the display.
2. Use appropriate hardware to support the weight of the display. Have a qualified engineer inspect the mounting structure.

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3. After installing the display, inspect the top and sides of the display for any openings that may allow moisture to enter the display. Seal openings with silicone or another waterproof sealant. Not sealing openings will void the warranty.

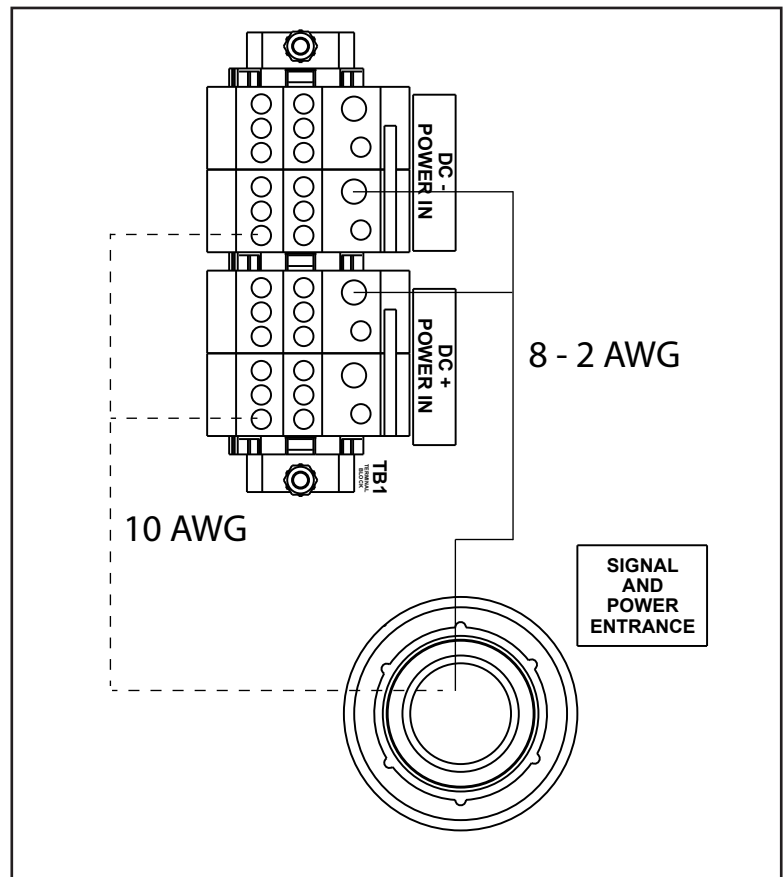
### Wiring the LED Panel

#### Reference Drawing:

Site Riser ..... Drawing B-3385683

Each display operates on 24 VDC power. Power and signal wires enter through the conduit hub in rear of the display. Power wires terminate at the terminal blocks. The signal wires terminate at the VCB. Terminate all wires as labeled on the termination panels per the **Site Riser** drawings.

**Note:** The terminal blocks on the DC breaker rail are wired differently, depending on wire gauge. See **Figure 2** for information on location by wire gauge.



**Figure 2:** DC Breaker Rail Wiring by Gauge