

QUICK START GUIDE

FLEX Series

Copyright Vantage LED | Support: 888-595-3956

FLEX Series Quick Start Guide
Document: CS-0056-02

FULL INSTALLATION GUIDE
& RESOURCES

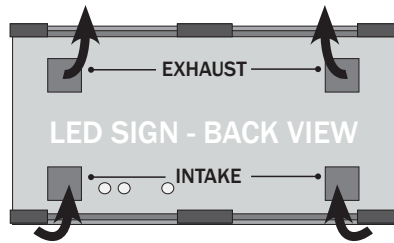
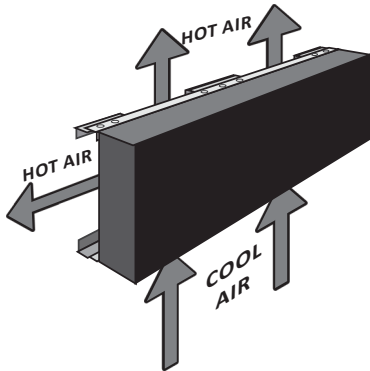
www.vantageled.com/orh



VENTILATION & MOUNTING

Access to fresh air must be provided to maintain warranty coverage.

AIRFLOW & VENTS

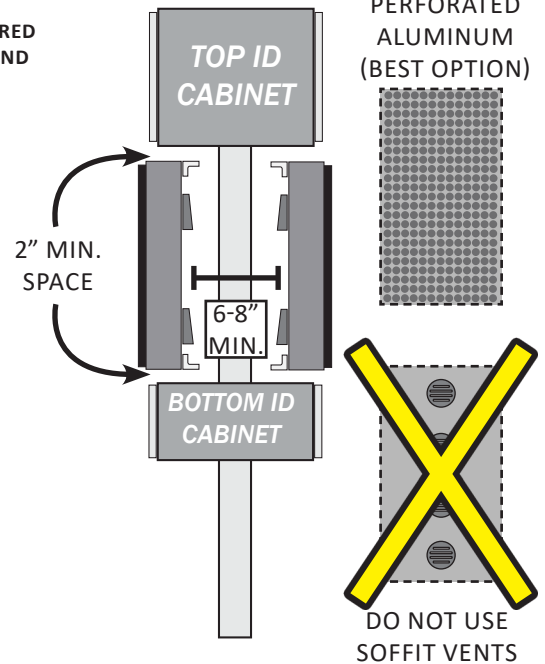


TOP & BOTTOM: 4 FT MIN. OF
LINEAR SPACE PER 10 FT OF
SIGN EVENLY SPACED

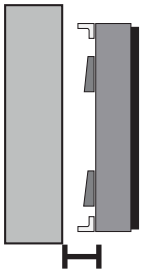
OPEN SPACE REQUIRED
ON TOP, BOTTOM AND
SIDES

DO NOT BLOCK
THE INTAKE OR
EXHAUST VENTS

POLE MOUNT & SKINNING



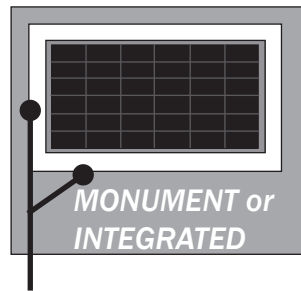
WALL MOUNT



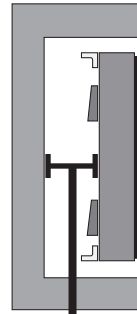
3" MIN.

ADD 1" PER 10 FT OF SIGN
IF WALL MOUNTED

RECESSED or INTEGRATED



2" MIN. SPACE
AROUND LED SIGN



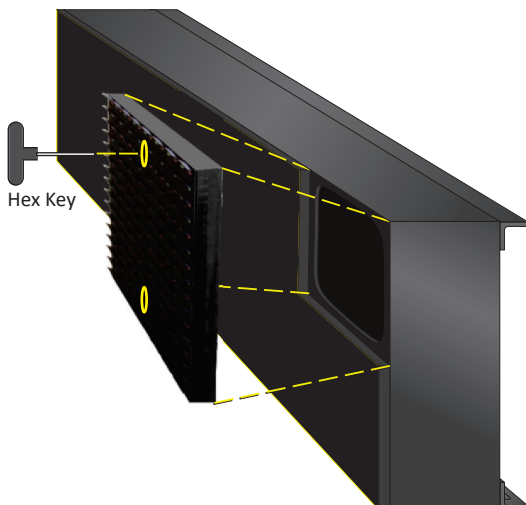
5" MIN. WHEN
RECESSED

WELDING

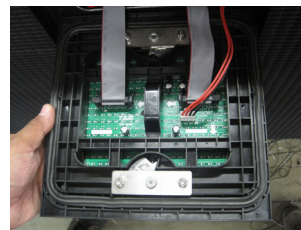
Ground the welding equipment to an appropriate ground nearest to the welding site, like the angle iron mounting bolts. Failure to do so may damage critical electronic components in the display. Damages caused by failure to ground in this manner will not be covered under warranty.

OPENING THE SIGN

You may need to access the internal components, check the data connections, or re-seat a cable that was knocked loose during shipping. Use the location diagram shipped with your sign to locate the appropriate component.



Use the **2.5mm Hex Key** (Allen Wrench) for removal. Insert the Hex Key and twist to the left about 1/2 to unlock each module.



Gently pull out the module. The data and power cables can be disconnected at the module. Avoid dropping the cables inside the sign.

Do Not hang module by Cables

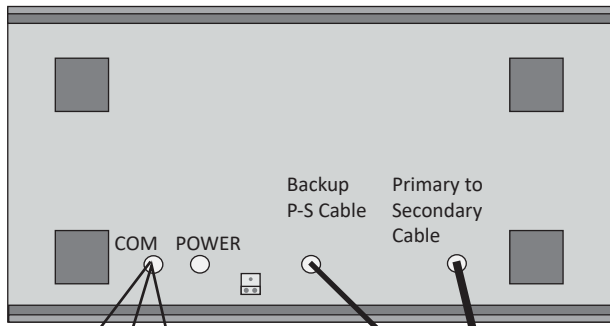
RE-INSTALLATION OF MODULE:

- Take care to connect the cables back in the original locations
- Make sure module is installed right side up.
- Double check the locks and make sure they are secure all the way around. This avoids water entry due to partially sealed LED Modules.

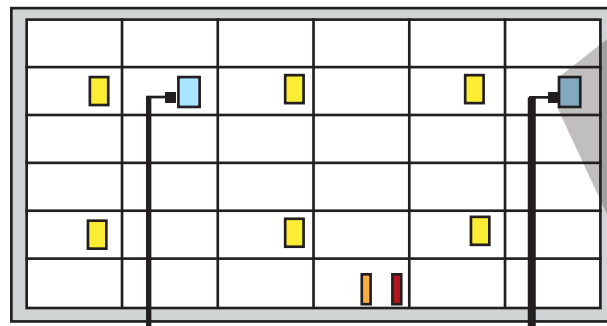
DATA and ACCESSORY CONNECTIONS

Data entry points are located on the back of each sign face. Double faced displays **MUST** be connected to each other with both P-S and Backup Cables. Use the connection diagram that shipped with the sign for component locations.

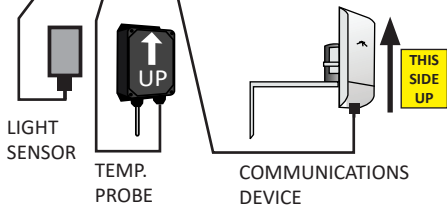
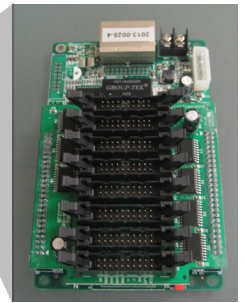
BACK VIEW - Primary Face



FRONT VIEW - Secondary Face



LOGIC BOARD



LIGHT
SENSOR

TEMP.
PROBE

COMMUNICATIONS
DEVICE

P-S BACKUP CABLE

PRIMARY to SECONDARY CABLE

CONNECTION BETWEEN TWO FACES

Requires (2) cables from Primary to Secondary Face.

Optional Accessories

LIGHT SENSOR or TEMPERATURE PROBE

- Mount w/Cable at bottom.
- Mount in area that receives the greatest amount of daylight.
- DO NOT mount to the sign cabinet.

COMMUNICATIONS DEVICE OPTIONS:

- Wireless Radios (Shown)
- Cellular Modem Antenna
- Hard-wired Network Cable
- Fiber Optic
- Custom Options

MOUNT CELLULAR ANTENNA or RADIO OUTSIDE STRUCTURE. MOUNT BUILDING RADIO LINE OF SIGHT W/ SIGN AND CONNECT TO BUILDING NETWORK.



Primary-Secondary Cable

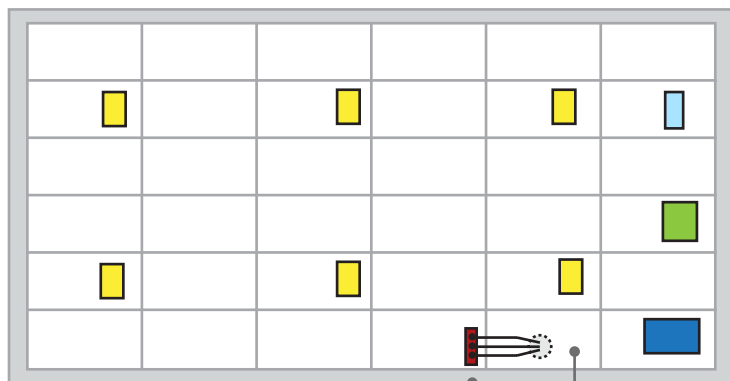


Access Module (labeled)

POWER CONNECTIONS

All electrical connections must be installed according to N.E.C. and local codes.

FRONT VIEW INTERIOR



Entry Point with Lead. Large signs will have multiple Entry Points and Leads.

Power Terminal

Entry Point with
Conduit Connector

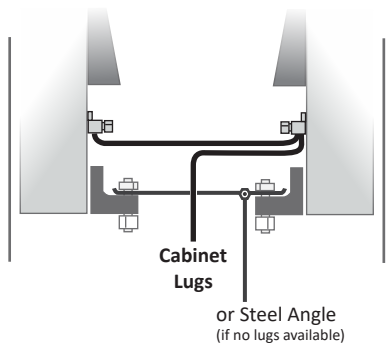
Electrical Lead:
Pre-connected to
Power Terminal
inside the sign.

EARTH GROUND

All LED Displays must be earth grounded using a properly installed copper ground rod to minimize static currents and lightning damage. The sign structure or foundation will not provide a sufficient ground.

Grounding Lugs are provided at every electrical entry point for convenience. However, only (1) lug per face is required.

Each lug incorporates dual barrels to allow multiple faces, to connect to a single ground rod.



Cabinet
Lugs

or Steel Angle
(if no lugs available)

EXTERNAL DISCONNECT SWITCH REQUIRED PER N.E.C

The location of the disconnect switch after installation **MUST** comply with Article 600 of the National Electrical Code (600.6).

<http://www.nfpa.org/70>

BEFORE DISPLAY POWER UP:

- Conduit fittings must be tight & sealed.
- Conduit run must not block access.
- Check connections for exposed wires.
- Clear any fabrication debris.
- Turn on main power and verify proper voltage is supplied.