

End User: _____

Field Service Technician: _____

Work Order: _____

Site Location: _____

Prior to Arriving On Site

- Have available:
- Daktronics FL-5000 Series Display Installation & Service Manual ([DD5042067](#))
 - FL-5000 Display Installation Quick Guide([DD4971970](#))
 - Fuelink 5 Installation Quick Guide ([DD5403694](#))

- Supplies Needed before going to site:
- Wire Nuts
 - 5/16" Self Tapping Screws
 - 1/2" Knockout Bushings
 - 2-sided adhesive Velcro

Physical Installation

When at the sign, complete the following:

Confirm that display cabinets and modules were not damaged during shipment.

Confirm dedicated power was provided to all display cabinets and not tied to any photocell, timer, or EMS.

Program FLR5 client radio kit via Fuelink 5 controller and install inside UL display per DD5403694. Mount clients in best location on structure that orientates back to where the server is within reach of radio cable.

Measure digit/font size to confirm physical size: _____

Take pictures/screenshots of firmware, display size in controller.

Verify power at displays and record voltage. Verify service ground is pulled into each display and connected properly to cabinet.

Verify that proper voltage is present between hot/neutral, hot/ground, ground/neutral. Make sure there is no voltage present on the neutral. Record findings.

Confirm circuit breakers are properly labeled and correctly sized.

Hot/Ground Voltage Reading	Ground/Neutral Voltage Reading	Neutral/Hot Voltage Reading

Walmart Installation Verification Checklist – Gas Price Digits Only (FL-5000)

Check all cable connections, including line-to-line. Only use new line-to-line cables provided, and remove any previously installed line-to-line cables (if applicable). Refer to DD5042067.

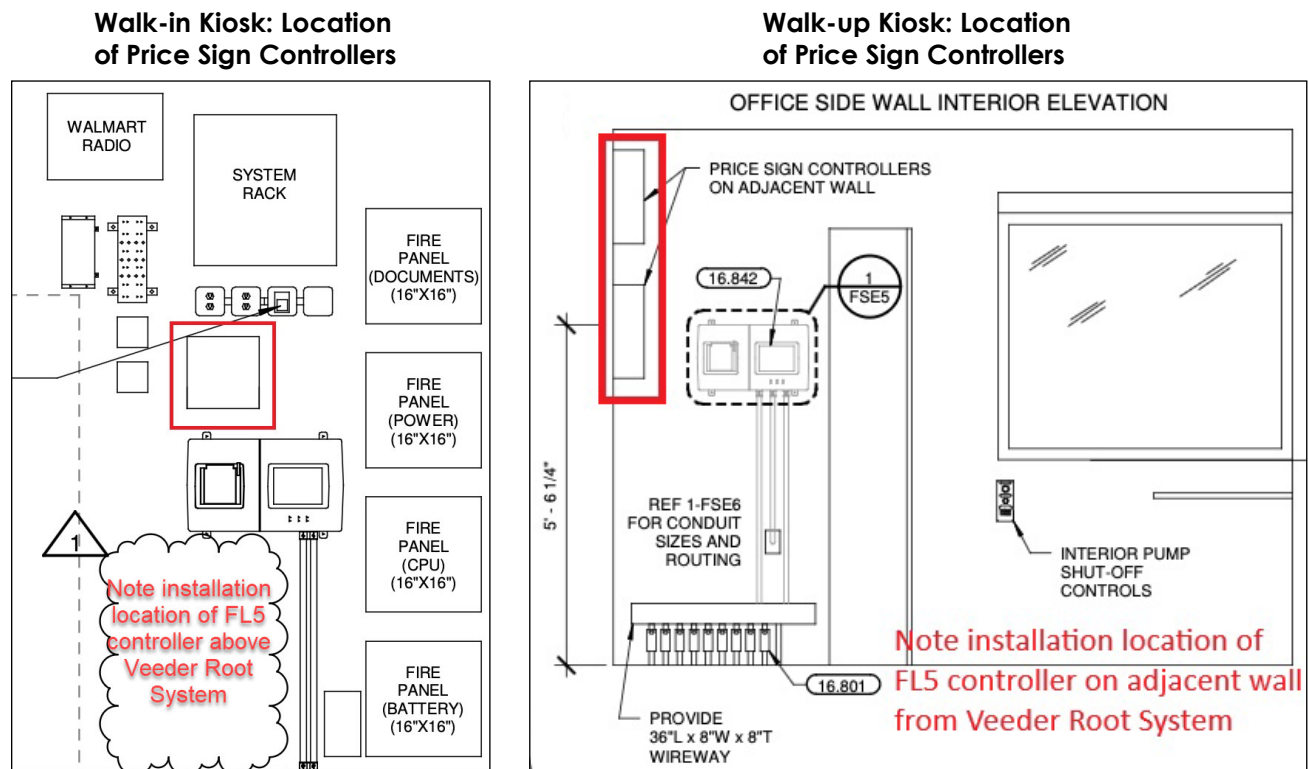
- 15' (line-to-line cable) W-4821291
- 50' (line-to-line cable) W-4821294
- 100' (line-to-line cable) W-482129
- 200' (line-to-line cable) W-4821296

Verify line-to-line cable installation in all displays (**Port A** of top-left module on host). Refer to [DWG-5516539](#).

- Document first digit in line with second, third, and fourth. First should have line-to-line come in from **Port B** of last module in sign. Sign 4 should have line-to-line cable going into **Port A** of first module. Refer to diagrams on page 9 of DD5042067.

Radio

Mount the server radio following DD5403694. In some cases where external mounting is required, the server radio can be hard wired directly to the terminal block on the Fuelink 5 Controller. Only mount external antenna outside if signal issues occur. Please contact the PM with any questions.



Android Tablet will need to be set up and installed per page 2 of DD5403694.

Mount the control enclosure on the wall per notes above near the fuel switch that is accessible for future access. Run an Ethernet cable from the Lantronix device to the provided jacks in the fuel kiosk. Typically labeled DAKT1, DAKT2, and DAKT3, these correspond to ports 17, 18, and 19, respectively.

Set up the server radio following instructions on page 5 of DD5403694 (Wireless Communication to Sign > Server Radio).

- Set Network ID to XXXX-X's = Store #, i.e. 6930, store is 6930.
- Channel – Use the first number of the store number (channel “6” would be used from the example above). Make sure all radios are on the same channel.

Set up client radios.

After programming server and clients, address all digits per DD5042067. Naming convention:

- Server: Store # Server (ie. 6930 Server)
- Client: Road Name/Cardinal direction

Control Equipment

Follow DD5403694 to configure radios. (Make sure to record Rx dBm values):

Record the MAC address from the Lantronix box: _____

- MAC address is located on the back side of the device on a sticker. It is the “SN” number.
- Note the location of each subscriber unit.

If there is not a cable to the network, please provide a CAT5e/CAT6 (cannot be CAT5) cable for connection to VLAN20, unless otherwise instructed by Walmart.

If the Lantronix box is not communicating, please contact PM (Jodie Svennes).

Contact the Walmart NOC to get the displays on the network:

- Phone: 479-273-4357, Site ID# (store number), then prompts 2, 3, 3, 5.

The IVR will answer the call and ask for the following information:

- Store number
- Issue (the spoken response should be “FUEL SIGNAGE”)
- If this is an indoor or outdoor sign
- The caller is transferred to field support group which handles the fuel signs.

Verify the FL5 is set to **AUTOMATIC** dimming per DD5403694.

Confirmation at Control Equipment

Perform the following on each network:

Confirm correct communication connections at control location.

Confirm proper configuration of display networks.

Confirm all display networks function correctly.

Walmart Installation Verification Checklist – Gas Price Digits Only (FL-5000)

Complete the following steps:

1. Log in to the Fuelink 5 controller.
2. Select the **Configuration** page.
3. Select the **Set Display Settings** menu.
4. Under Font, select **Block**.
5. Under Format, select the price format with the small 9 only (4.27⁹).

Note: For California sites, select the 9/10 option (4.27⁹/₁₀).

Fuelink5 Configuration

1. Set Network Options 2. Configure Radios 3. Detect Displays 4. Set Display Settings 5. Set POS Type and Product Names 6. Optional Configuration

System Configuration Prices Tools Help

Dimming

MANUAL AUTOMATIC

Frames

Number of Frames: < 2 > Hold Time (sec): < 3 >

Font: Block

Format

4.27 ⁹/₁₀
4.27 ⁹ (selected)
4.27 ⁷
4.27 ^X (adjustable tenths)
4.279

Deliverables

Take pictures of each display from the server location.

Required pictures:

Control enclosure (with MAC address clearly visible)

Network connections

Server radio location

RSSI values

All displays lit and operational

All internal wiring

Any items that may be of concern (power, signal, etc.)

After clicking **Submit Form**, attach all pictures to the generated email.

Contact PM prior to leaving site (Jodie Svennes - 507-220-3219).

Failure to return IAP documents within 3 days can result in delayed or deducted payment. Contact the project manager with any issues.

Walmart Installation Verification Checklist – Gas Price Digits Only (FL-5000)

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Sign Off

By signing below, I verify that I have performed the above-listed tasks pursuant to Daktronics specifications and training.

Technician Signature _____ Date: _____

By signing below, I verify that all displays are communicating and operating as intended.

Customer Signature _____ Date: _____

Equipment On Site

Please provide detailed information about what equipment is installed on site, including number of pylons, monuments, and canopy displays. Please also indicate how many client networks are active and how the canopy displays are connected, if at all.

Installation Summary