



LENNOX F1943L-3P Touchscreen Wi-Fi Controller Owner's Manual

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LENNOX F1943L-3P Touchscreen Wi-Fi Controller



Product Information

Product Name	VARIABLE REFRIGERANT FLOW SYSTEMS (VRF)
Model Number	F1943L-3P
Description	Touchscreen Wi-Fi Controller 60 Hz
Bulletin Number	210967 July 2023
Supersedes	April 2022

Product Usage Instructions

Controller User Settings – Home Screen (Thermostat ON)

- Touch the blank screen to turn on the backlight if the brightness setting is set to 0%.
- Use the UP/DOWN arrows to adjust the temperature.
- The home screen displays the actual temperature, relative humidity, and mode (HEAT, COOL, OFF).
- To access the Main Menu screen, touch the MODE button on the upper-right of the home screen.

Controller User Settings – Main Menu Screen

- To access the Settings screen, touch the gear icon on the upper-right of the screen.
- On the Settings screen, you can switch the system mode (OFF, HEAT, COOL, AUTO, DRY) and adjust the fan operation (ALWAYS ON) and fan speed (LOW, MED, MAX, AUTO).
- You can also switch between Fahrenheit and Celsius temperature units and adjust the display brightness (0 to 100%).
- To set up the network connection, touch the “NETWORK” button and refer to the VRF Wi-Fi Controller Mobile App User Manual for complete instructions.
- To access additional settings, touch the “ADDITIONAL SETTINGS” button.

Controller User Settings – Additional Settings Screen

- To access the Service Menu screen, touch the “SERVICE MENU” button (passcode required).
- The Service Menu screen allows you to perform artificial calibration, view controller information, and reboot the controller.
- To adjust temperature, touch the “ARTIFICIAL CALIBRATION” button.
- To access the Aux Setup screen, touch the “AUXILIARY HEAT SETUP” button.
- To change the passcode, touch the “CHANGE PASSCODE” button and enter a new 4-digit passcode.
- To access the Indoor Unit Settings screen, touch the “INDOOR UNIT SETTINGS” button.

Controller User Settings – Aux/Alt Heat Options Screen

- To select the heating type, touch one of the options (NONE, ELECTRIC HEAT, IDU/DUCTING, GAS HEAT, OTHER HEAT).
- To set the switchover temperature, touch the “SET SWITCHOVER TEMPERATURES” button.

- The displayed options on the Aux Heat Fan Options screen depend on the heat type selected.

Aux Heat Fan Options Screen (for Electric Heat)

- To switch the fan operation, touch the corresponding button.
- To switch the fan speed, touch the corresponding button (LOW, MED, HIGH).

COMMERCIAL PRODUCT SPECIFICATIONS

The F1943L-3P (19B16) is a wired local touchscreen controller for VRF Heat Recovery, VRF Heat Pump and Mini-VRF Systems.

Remote control via Wi-Fi is available with the free VRF Controller App.

NOTE – Refer to the Controller Installation Instructions and the App User Manual for additional information.

Touchscreen Display

- 4 in. capacitive touchscreen with full color LCD display and intuitive navigation
- Screen is illuminated when touched and remains lit during control access

Dimensions


- 3-5/8 x 5 x 7/8 in. (H x W x D)
- Wall plate and additional hardware is furnished for installation

Wiring

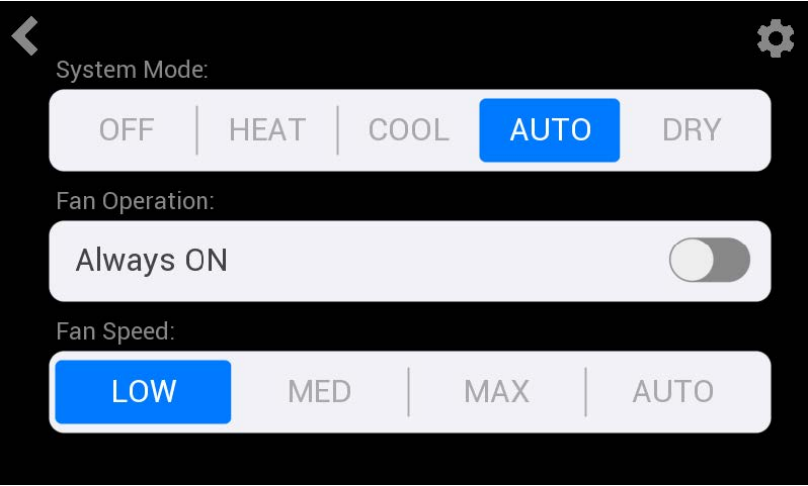
- Controller uses low voltage 4-wire 18AWG shielded cable (not furnished) for easy connection to the indoor unit

Grouping

- Controller can control up to 16 indoor units on the same system

CONTROLLER USER SETTINGS		
HOME SCREEN (Thermostat ON)		Notes
		Touch blank screen to turn on the backlight if brightness setting is set to 0%.
ACTUAL TEMPERATURE DISPLAY		
UP/DOWN ARROWS ADJUST TEMPERATURE	62°F to 86°F	
TEMPERATURE “SET TO” DISPLAY		
RELATIVE HUMIDITY DISPLAY		
MODE	HEAT	Touch the MODE button on the upper-right t of the home screen to access the Main Menu screen.
	COOL	
	OFF	

CONTROLLER USER SETTINGS		
MAIN MENU SCREEN		Notes



SETTINGS (Gear Icon)

Touch the gear icon on the upper-right of the screen to access the **Settings** screen.

SYSTEM MODE

- OFF
- HEAT
- COOL
- AUTO
- DRY

FAN OPERATION (ALWAYS ON)

- ON
- OFF

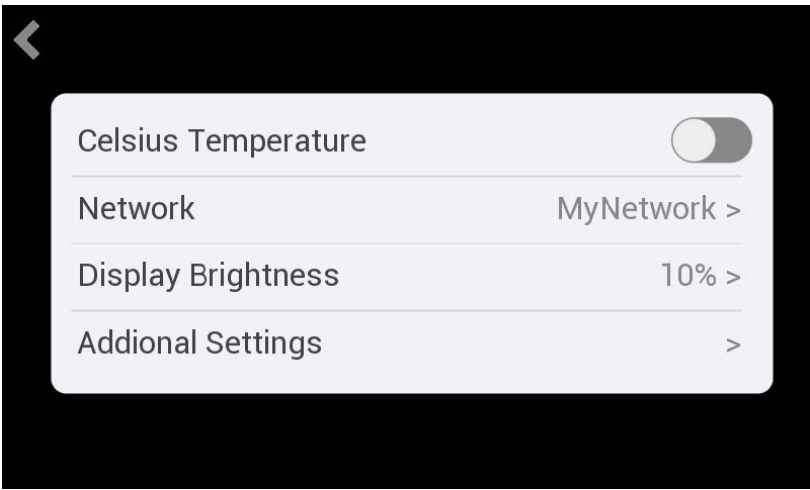
FAN SPEED

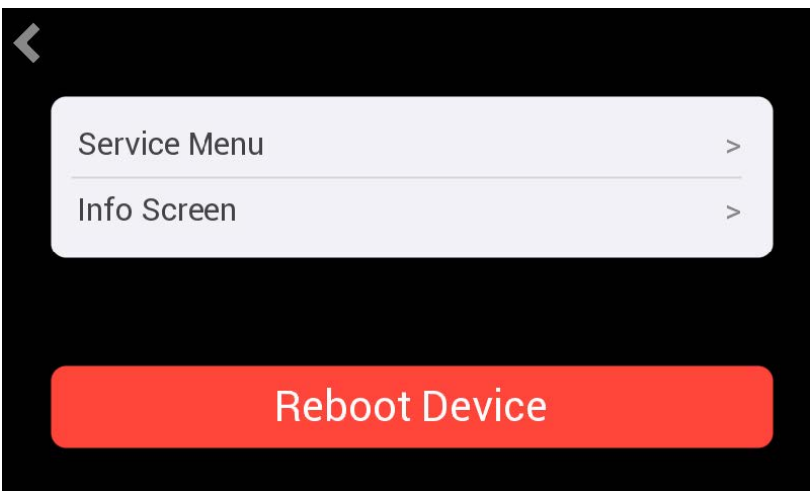
- LOW
- MED
- MAX
- AUTO

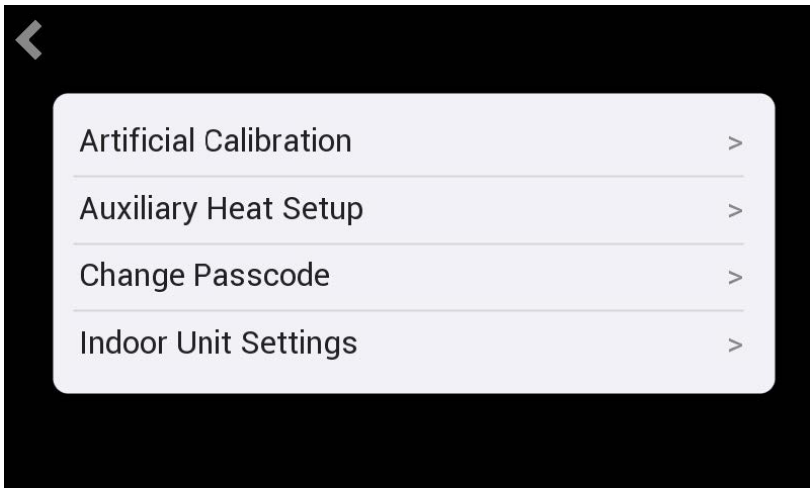
Touch a button to switch unit operation.

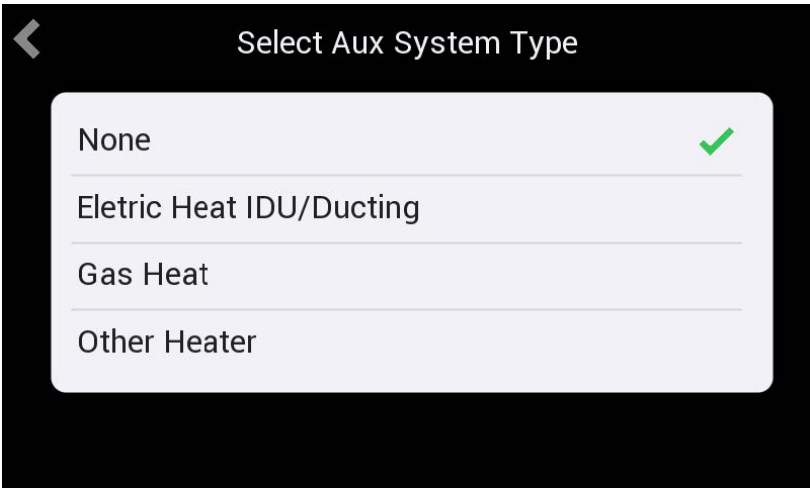
SETTINGS SCREEN

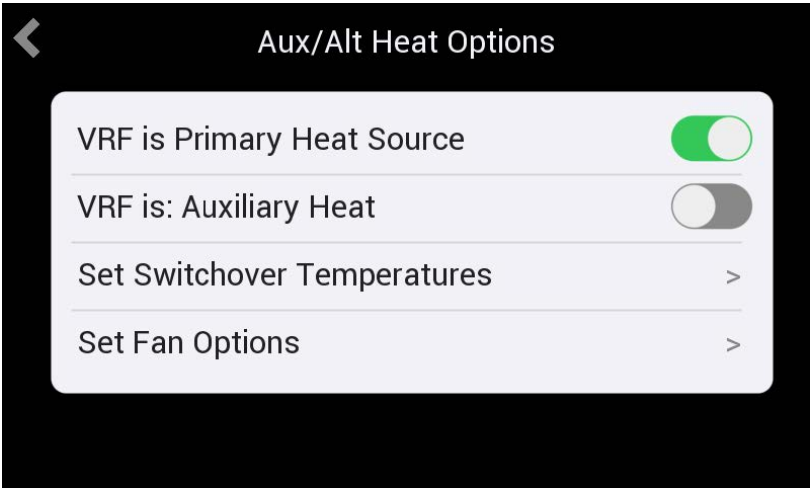
Notes

			
FAHRENHEIT / CELSIUS TEMPERATURE	ON	Touch button to switch between Fahrenheit (default) and Celsius.	
	OFF		
NETWORK		Touch to set up network connection. Refer to the VRF Wi-Fi Controller Mobile App User Manual for complete Wi-Fi setup instructions.	
DISPLAY BRIGHTNESS	0 to 100%	Touch to adjust brightness. 0% setting turns off screen after 30 seconds.	
ADDITIONAL SETTINGS		Touch to access Additional Setting screen.	

CONTROLLER USER SETTINGS			
ADDITIONAL SETTINGS SCREEN			Notes
			
SERVICE MENU			Touch to access Service Menu screen. Password protected.
INFO SCREEN			Displays controller information (firmware, etc.).

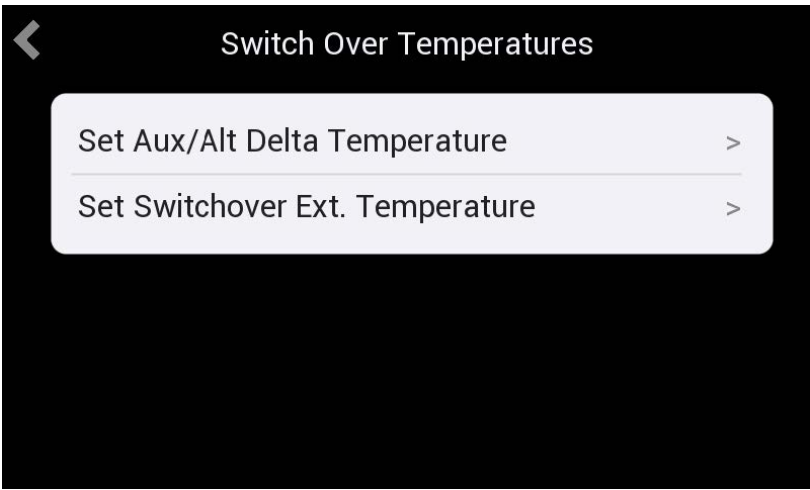
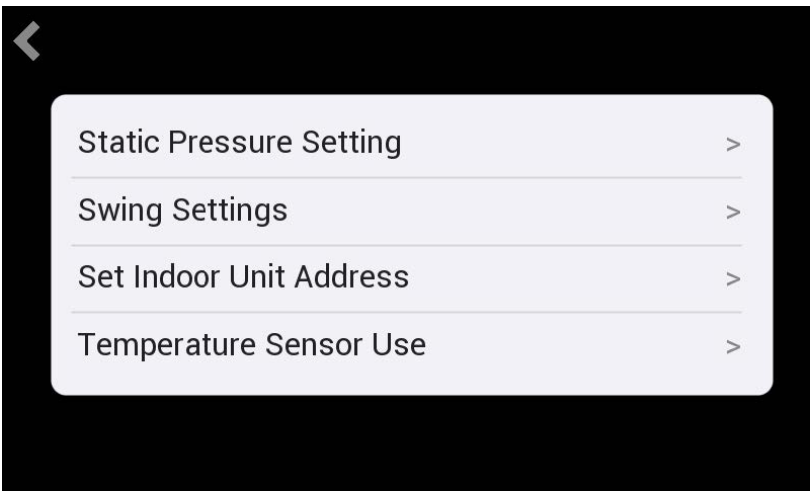
REBOOT DEVICE BUTTON		Reboots Controller
SERVICE MENU SCREEN (Passcode Required)		Notes
		
ARTIFICIAL CALIBRATION	-5°F to 5°F	Touch to adjust temperature.
AUXILIARY HEAT SETUP		Touch for Aux Setup screen.
CHANGE PASSCODE		Touch to change passcode. Enter a new passcode (4 digits). Touch Save to store.
INDOOR UNIT SETTINGS		Touch for Indoor Unit Settings screen.
AUXILIARY HEAT SETUP		Notes
NONE		
ELECTRIC HEAT IDU/DUCTING		Touch to select Heating type. Touch Next to go to the Aux/Alt Heat Options screen.
GAS HEAT		
OTHER HEAT		

CONTROLLER USER SETTINGS		
AUX/ALT HEAT OPTIONS SCREEN		Notes
		
VRF is PRIMARY HEAT SOURCE	ON (default)	Touch button to switch.

CE	OFF	
VRF is AUXILIARY HEAT	ON	Touch button to switch.
	OFF (default)	
SET SWITCHOVER TEMPERATURE		Touch for Set Switchover Temperatures screen.
SET FAN OPTIONS		<p>The Set Fan Options screen displayed is dependent on the heat type selected.</p> <p>See Aux Heat Fan Options screen for Electric Heat</p> <p>See Alt Heat Fan Options screen for Gas Heat or Other</p>
AUX HEAT FAN OPTIONS SCREEN		Notes
		This screen is for Electric Heat fan settings.
FAN OPERATION	THERMO	Touch to switch.
	ON	
FAN SPEED	LOW	Touch to switch.
	MED	
	HIGH	

CONTROLLER USER SETTINGS		
ALT HEAT FAN OPTIONS SCREEN		Notes

<div><div><div><div><div></div></div><div>Aux Heat Fan Options</div></div><div>Fan Operation:</div><div><div>THERMO</div><div>ON</div></div><div>Fan Speed:</div><div><div>LOW</div><div>MED</div><div>HIGH</div></div></div></div> <div>This screen is for Gas Heat or Other Heat source fan settings.</div>		
FAN OPERATION	OFF	Touch to switch.
	THERMO	
	ON	
FAN SPEED	LOW	Touch to switch.
	MED	
	HIGH	
SWITCHOVER TEMPERATURES SCREEN		Notes
<div><div><div><div><div></div></div><div>Alt Heat Fan Options</div></div><div>Fan Operation:</div><div><div>OFF</div><div>THERMO</div><div>ON</div></div><div>Fan Speed:</div><div><div>LOW</div><div>MED</div><div>HIGHT</div></div></div></div>		
SET AUX/ALT DELTA TEMPERATURE	–20°F to 0°F	Touch to adjust temperature.
SET SWITCHOVER TEMPERATURE	–8°F to 80°F	Touch to adjust temperature.
CONTROLLER USER SETTINGS		
INDOOR UNIT SETTINGS SCREEN		Notes

			
STATIC PRESSURE SETTING	0.00 to 1.00 in. w.g.	Touch up/down arrows to adjust. Touch Save button to store.	
SWING SETTINGS	Vertical Swing Settings	Touch to set Swing Settings .	
	Horizontal Swing Settings		
SET INDOOR UNIT ADDRESS	1 to 16	Touch up/down arrows to adjust. Touch Save button to store.	
TEMPERATURE SENSOR USE	Controller (default)	Touch to switch.	
	Individual Indoor Unit		
SWING SETTINGS SCREEN		Notes	
			
VERTICAL SWING SETTINGS	Swing	Touch Swing to activate up/down louver operation. Louvers oscillate up and down automatically.	
	Pos1		
	Pos2		
	Pos3	Touch a Position number to set the louvers at one of five different fixed airflow angles.	
	Pos4		
	Pos5		
HORIZONTAL SWING SETTING	ON	Touch to activate left/right louver operation.	

GS	OFF	n. Louvers swing left and right automatically.
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Reset Button

- Reset button is hidden behind the first grill on the top right of the controller.
- Single Press – Reboots the controller without changes to the stored information.
- Long Press – Holding the switch down for more than Five Seconds enables a factory reset.

NOTE – Factory reset does not erase network connection information.

MOBILE APP

The free VRF Controller app is available for use on iPhone® and iPad®, Android™ devices.

Control cooling/heating temperatures, operating mode, fan operation and power for multiple units.

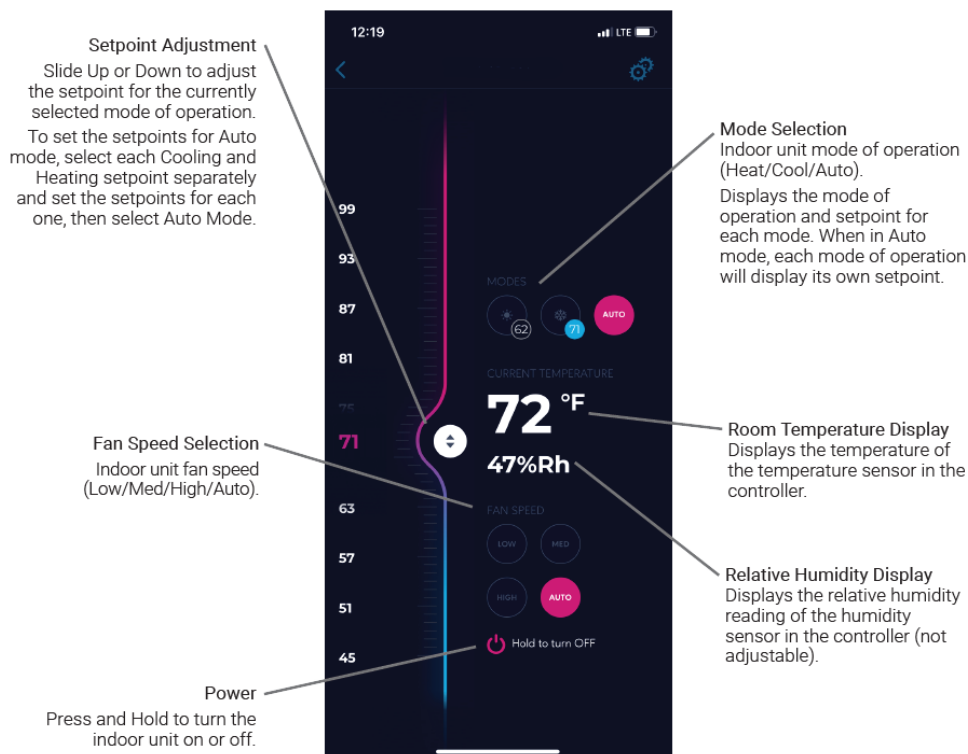
Allows remote control of VRF systems directly from a smartphone. The intuitive design gives you direct control over your system and comfort control, all in an easy-to-use layout.

NOTE – Refer to the VRF Wi-Fi Controller Mobile App User Manual for complete Wi-Fi setup instructions.



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MOBILE APP CONTROLLER SCREEN SETTINGS



REVISIONS	
Sections	Description of Change
Document	Additional features added.


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NOTE

- Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency.

Documents / Resources

	<p>LENNOX F1943L-3P Touchscreen Wi-Fi Controller [pdf] Owner's Manual F1943L-3P Touchscreen Wi-Fi Controller, F1943L-3P, Touchscreen Wi-Fi Controller, Wi-Fi Controller, Controller</p>
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References

-  [Lennox](http://www.Lennox.com)
-  [Commercial Air Conditioning & Heating Units | Lennox Commercial](http://www.LennoxCommercial.com)

