VARIABLE REFRIGERANT FLOW SYSTEMS
VRF
V0STAT54P-2
Non-Programmable Wired Controller
Bulletin No. 210767
April 2016

LENNOX VRF

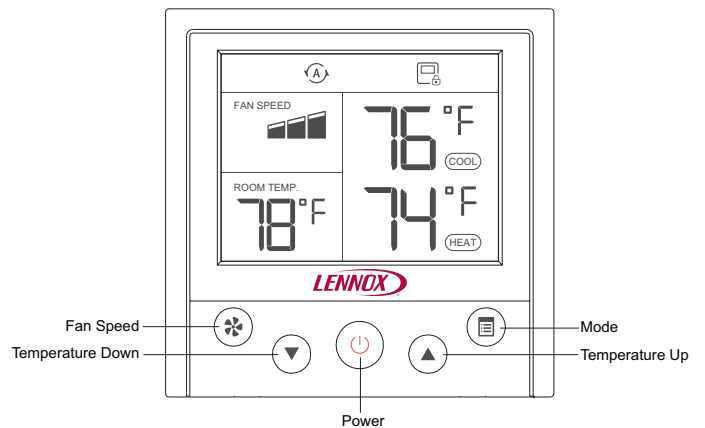## PRODUCT SPECIFICATIONS

Wall-mount wired controller for VRF Heat Recovery and Heat Pump indoor units.

FEATURES

- **Backlight -** Allows easy operation in a dark room. The controller lights when any button is pressed and remains lit during control access.
- **LCD Display -** Displays cooling and heating setpoint temperatures, room temperature, operating mode, swing and fan speed.
- **Function Buttons -** POWER, MODE, TEMPERATURE UP/DOWN ARROWS (for adjustment), FAN SPEED.
- **Grouping -** Controller can control up to 16 indoor units on the same system.
- **Lock -** Certain functions can be disabled with the lock function (operation, fan speed, temperature increase/ decrease, power, lock/unlock all buttons.
- **Non-Volatile Memory -** Maintains the last setpoint and mode of operation settings following power outages (no battery required).
- **Dimensions (H x W x D) -** 3-3/8 x 3-3/8 x 3/4 in. Control can be mounted in a standard electrical handy box (not furnished). Additional hardware is furnished for installation.
- **Wiring -** Controller uses low voltage 4-wire shielded cable (not furnished). Two adaptor cables with plug-in connections are furnished for connection between the controller and the system wiring.

OPERATION

Fan Speed
Temperature Down
Mode
Temperature Up
Power

- **Power Button -** Turns system on or off
- **Mode Button -** Press to select operation mode, icon on screen displays active mode
  - Cool
  - Heat
  - Auto (VRA Heat Recovery Systems only)

  In Auto mode separate heating and cooling setpoints can be selected. Press Mode button to switch between heating and cooling setpoints.

  Auto Mode is only available for heat recovery (VRA) systems. Disabled for Heat Pump Systems (VPA).

  - Dry - System operates in dehumidification mode

  Fan speed is disabled when system is in DRY (dehumidification) mode.

  - Fan (Only)
- **Up/Down Arrow Buttons -** Increase or decrease temperature setpoint
- **Fan Speed Button -** Sets fan speed (Low/Medium/ High)
- **Louver Swing Operation -** Enable automatic louver swing function on certain indoor units

  Press Up/Down Arrows simultaneously to start/stop swing louver operation.

CONTROLLER SETTINGS

> ⦿ Press and hold Fan Speed and Mode buttons simultaneously to access Controller Settings.

Power Off Memory Settings for Auto Mode
Retains operation mode, setpoints and fan speed settings

- On/Off (default is On)

Temperature Unit
- °F or °C (default is °F)

Room Temperature Sensor Location
- Controller or Indoor Unit Sensor (default is Controller)

> ⦿ If more than one indoor unit is controlled by this controller, sensor location must be set to Controller.

Room Temperature Sensor Calibration
- Adjustable *(–4 to 4°F, default is 0°F)*

Auto Mode Enable/Disable
- On/Off (default is On)

Setpoint Limits
- Adjust Cooling or Heating Setpoint Limits that display on the Home Screen
  (adjustable 62 to 86°F, default is 62°F cooling and 86°F heating)

Indoor Fan
- Sets the fan operation when cooling or heating setpoint is satisfied
- On/Off (default is On, recommended for highest efficiency)

HHE Relay Kit / Alternative Heat Settings
Sets the operation parameters for alternate heat connected through the HHE Relay Kit Four Dry-Contact board.

- Alternative Heat Active at Ambient Temperature (When the outdoor temperature is lower than the selected temperature and the indoor unit is in heating mode, the indoor unit will stop providing heat and alternate heat will be energized.)
  (adjustable 7, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 72°F)
- On/Off (default is Off)

HHE Relay Kit / Auxiliary Heat Settings
Sets the operation parameters for alternate heat connected through the HHE Relay Kit Four Dry-Contact board.

- Auxiliary Heat Heater ON Temperature (Heater is energized when room temperature falls below setpoint by this value)
  (3 or 5°F, default is 3°F)

Indoor Unit Status Query
- View the current operation status of each indoor unit connected to the controller
  - Indoor Unit Address Number

> ⦿ Press the Fan Speed Button to switch between connected indoor unit addresses.

  - Indoor Unit Status (Mode, Cool Setpoint, Heat Setpoint, Fan Speed, Swing)
  - Current Readings
    - T2 (middle of evaporator coil)
    - T2B (outlet of evaporator coil)
  - Room Temperature Sensor Location
    - Controller or Indoor Unit
- View the HHE Relay four dry-contact status for each indoor unit connected to the controller
  - On or Off

Fault Code Query
- View the error code history for each indoor unit connected to the controller

> ⦿ Press and hold the Mode Button for 5 seconds to access the indoor unit status query.
>
> Press the Mode button to access the fault code query.
>
> Press the Fan Speed Button to scroll through the fault codes

- Displays last ten error codes
- If indoor unit has multiple errors use the up/down arrow buttons to view each code

> ⦿ If error code affects an indoor unit, the Controller will display the unit address.

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