

Job:

Location:

Schedule No.:

System Designation:

Engineer:

Architect:

Location:

Date:

## 24V Thermostat Adapter

### FEATURES AND FUNCTIONS

- Compatible with VRF & Mini-Splits\*
- \*37Y83 VSTAT06P-1 is required when connecting to a mini-split single zone wall mount system
- Controls adapter that will allow control of Lennox Powered by Samsung systems sold in North America with a standard 24VAC thermostat
- "Samsung Smart Things" app required.
- One adapter per indoor unit connected to the F3-F4 communication line
- Basic control of: Power: ON/OFF Mode: Heat, Cool, Fan (auto, low, medium, high)
- Supports 1 or 2 stages cooling inputs, 1 or 2 stages heating inputs
- Can be configured to operate the IDU as primary heating source, secondary heating source, or cooling only with heat from an external source only
- External contact input to disable the unit when contact is opened
- "Emergency Heat" output to enable an external heating source when the unit is in heating Thermal-ON while in error status.
- Indoor unit error state output dry contact (no error = closed, error = open)
- Separate fan speed settings for Thermal-ON and Thermal-OFF
- Single fan input or 3 speed input for Low, Medium, and High
- Heat staging options:
  - Stage 1 and 2: IDU operates in heat mode
  - Stage 1: IDU operates in fan mode. Stage 2: IDU operates in heat mode
  - Stage 1: IDU OFF. Stage 2: IDU operates in heat mode
  - Stage 1: IDU OFF. Stage 2: IDU OFF (heating is only provided by external source that does not require fan operation from the IDU)
- "Emergency Heat" output enable
- Stage 1 and stage 2 heating and cooling set temperature
- 16 cool mode and 16 heat mode temperature setting options (see table on page 2)
- 24VAC (requires field provided external 24VAC transformer). Dimensions (W X H X D): 5" X 5 1/8" X 1 1/2"
- Installation location temperature range: 32°F ~ 122°F (0°C ~ 50°C), Relative humidity: 10 ~ 85%.
- Maximum one VSTAT09P-1 per 24VAC transformer
- F3 / F4 maximum wire length: 328'
- NOTE: Two operation priority settings are available. Depending on the setting, the indoor unit may ignore commands sent from other controllers connected to the unit, including central controller schedule and control logic settings.

For: Reference Approval Review Construction



### WARRANTY

- All covered components - 1-year limited warranty. \*See warranty for details.

### SPECIFICATIONS

#### PERFORMANCE

Input Voltage (V)	12 VDC
24VAC (requires field provided external 24VAC transformer)	

#### DIMENSIONS

Unit Dimensions (in)	Height	5-1/8
	Width	5
	Depth	1-1/2

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.

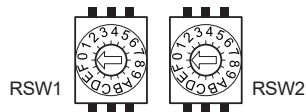
Installation and service must be performed by a qualified installer and servicing agency.

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### Rotary Switch Functions

- RSW 1 sets the indoor unit set temperature for first and second stage cooling inputs (Y1/Y2)
- RSW 2 sets the indoor unit set temperature for first and second stage heating inputs (W1/W2)
- Determine average user cooling and heating set temperatures and adjust RSW1 and RSW2 accordingly for optimal comfort after installation.
- The indoor unit may not operate properly if it is set to use "discharge air temperature" control.



- RSW 1: Cool mode set temperature (Y1/Y2), Cooling: 64.4 ~ 82.4°F (18 ~ 28°C)

0 (default)		1		2		3		4		5		6		7	
Y1	Y2	Y1	Y2	Y1	Y2	Y1	Y2	Y1	Y2	Y1	Y2	Y1	Y2	Y1	Y2
73.4	68	68	64.4	69.8	66.2	71.6	68	75.2	71.6	77	73.4	78.8	75.2	80.6	77
°F															
23	20	20	18	21	19	22	20	24	22	25	23	26	24	27	25
°C															

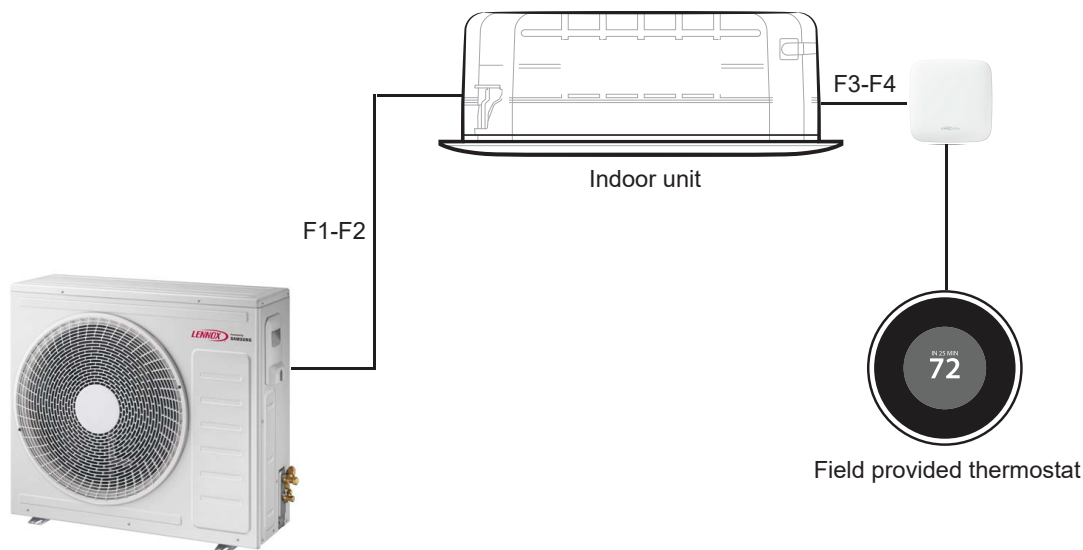
8		9		A		B		C		D		E		F	
Y1	Y2	Y1	Y2	Y1	Y2	Y1	Y2	Y1	Y2	Y1	Y2	Y1	Y2	Y1	Y2
69.8	64.4	71.6	64.4	73.4	64.4	75.2	64.4	77	64.4	78.8	64.4	80.6	64.4	82.4	64.4
°F															
21	18	22	18	23	18	24	18	25	18	26	18	27	18	28	18
°C															

- RSW 2: Heat mode set temperature (W1/W2), Heating: 68 ~ 86°F (20 ~ 30°C)

0 (default)		1		2		3		4		5		6		7	
W1	W2	W1	W2	W1	W2	W1	W2	W1	W2	W1	W2	W1	W2	W1	W2
71.6	77	69.8	75.2	73.4	78.8	77	82.4	78.8	84.2	80.6	86	68	86	69.8	86
°F															
22	25	21	24	23	26	25	28	26	29	27	30	20	30	21	30
°C															

8		9		A		B		C		D		E		F	
W1	W2	W1	W2	W1	W2	W1	W2	W1	W2	W1	W2	W1	W2	W1	W2
71.6	86	73.4	86	75.2	86	77	86	78.8	86	82.4	86	71.6	77	71.6	77
°F															
22	30	23	30	24	30	25	30	26	30	28	30	22	25	22	25
°C															

Note: If the room thermostat is set outside of the rotary dial set temperature range, the indoor unit will only operate until it meets the rotary dial temperature setting (RSW 1 and RSW 2).



*\*Requires 24VAC from a field supplied transformer*