

Job: _____
 Location: _____
 Schedule No.: _____
 System Designation: _____

Engineer: _____
 Architect: _____
 Location: _____
 Date: _____

AHU Control Kit

For: Reference Approval Review Construction

FEATURES

- Operate Lennox non-VRF indoor units and 3rd party non-communicating indoor units (air handler units or furnace/coils) with Lennox VPC REAL heat pump outdoor units
- Simple installation with 2 piping and 2 wiring connections
- Temperature sensors to fix to vapor line included

WARRANTY

- 10-year limited warranty.*See warranty for details.

SPECIFICATIONS

PERFORMANCE

Design Capacity Range (Btu/h)	48,150 - 96,800
Capacity Setting (Ton)	1.5, 2, 3, 4, 5
Operating Range	-13 - 131°F

ELECTRICAL DATA

Power Supply	90 ~ 250V-1Ph-60 Hz
Min Circuit Ampacity	0.5 A
Max Fuse OR HACR Breaker	1 A

DIMENSIONS

Unit Dimensions (in)	Height	10
	Width	14-3/8
	Depth	5

PIPING CONNECTIONS

Piping Connections to Kit (in)	Liquid	3/8
Total Pipe Length (ft)		≤164
Kit to IDU (ft)		16
Vertical Separation	ODU Above	≤98
	ODU Below	≤98

WIRING

ODU to AHU Kit	18 GA, 2-wire conductor cable (stranded and shielded)
AHU Kit to Third-Party Furnace or Air Handler	Standard thermostat wire
AHU Kit to 24V Thermostat	Standard thermostat wire

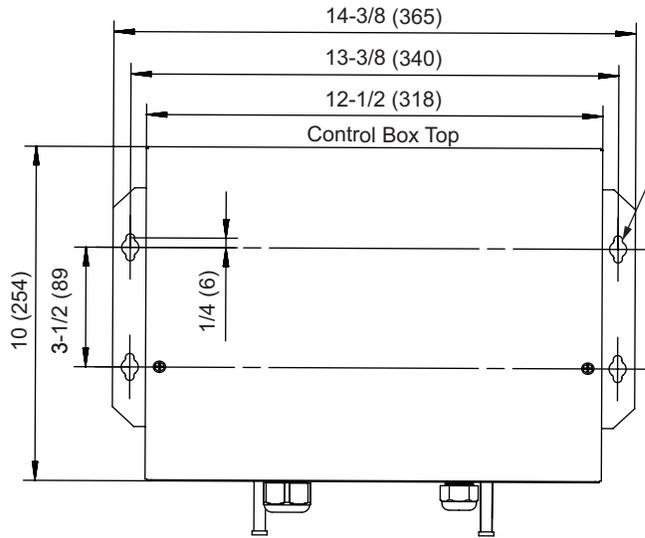


REQUIRED COMPONENTS (SOLD SEPARATELY)

- Lennox VPC REAL Heat Pump outdoor unit(s)
- Third-Party Controller(s)

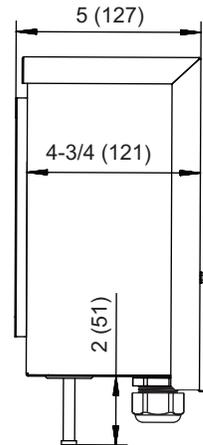
NOTE – Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must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

DIMENSIONS - INCHES

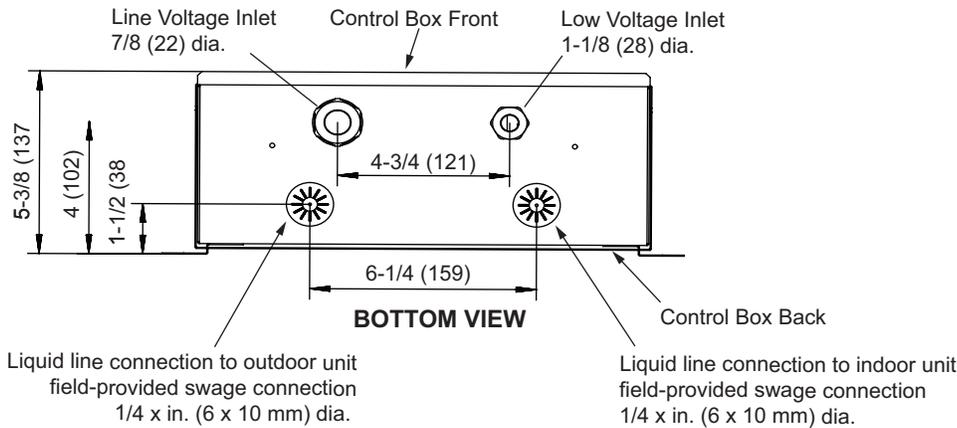


FRONT VIEW

Use 4 ST3.9X25 Recessed Pan Head Tapping Screw or other appropriate fixing method to secure the control box.



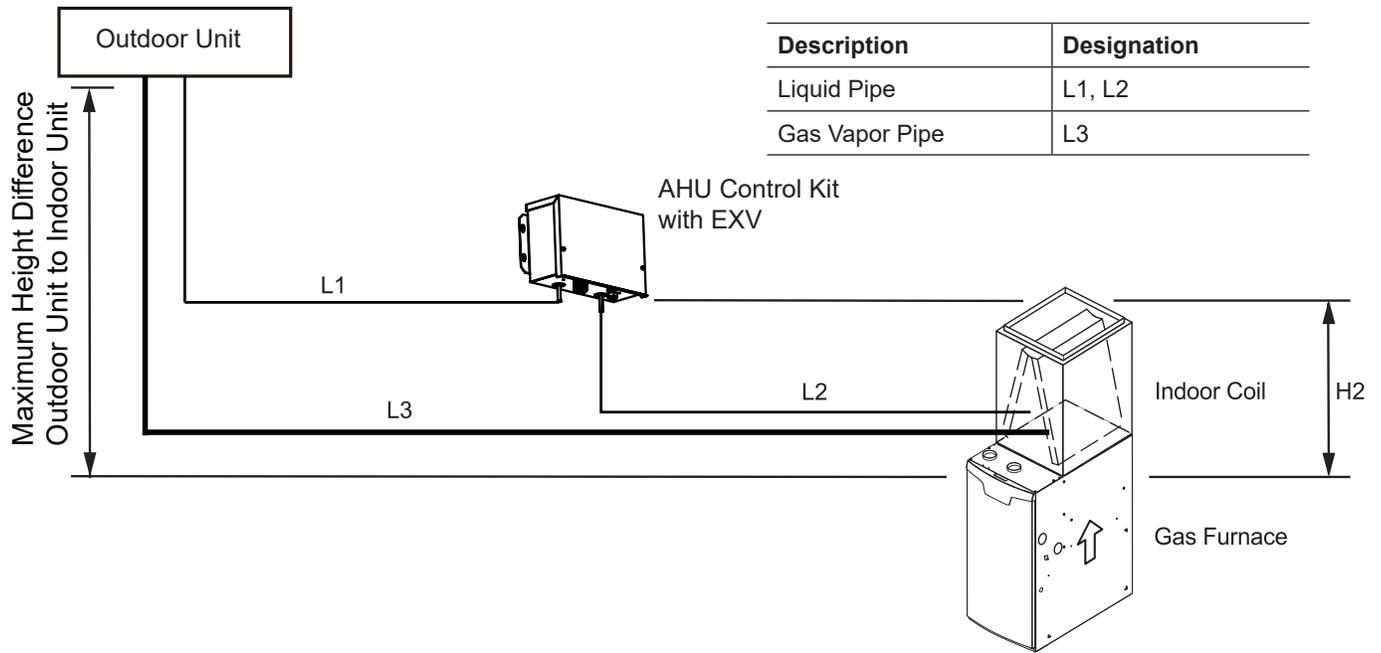
SIDE VIEW



BOTTOM VIEW

PIPING

NOTE - See Refrigerant Pipe Selection Tables in VPC Outdoor Unit Installation Manual to Size Pipes



Description	Designation
Liquid Pipe	L1, L2
Gas Vapor Pipe	L3

Piping Length			Permitted value	Piping
Piping Length	Maximum piping length	AHU Control Kit to air handler/furnace coil	16 ft. (5 m)	L2
Level Difference	Maximum level difference	AHU Control Kit to air handler/furnace coil	+/- 16 ft. (5 m)	H2
Maximum Height Difference	Indoor Unit to Outdoor Unit Maximum Height Difference	Outdoor Unit Up	≤164 ft. (50 m)	--
		Outdoor Unit Down	≤131 ft. (40 m)	--
	Indoor Unit to Indoor Unit Maximum Height Difference		≤49 ft. (15 m)	--

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