

Job Name:

Schedule Reference:

Date:

**LEV KIT MAIN FEATURES**

- The LEV kit is an interface to connect CITY MULTI® Outdoor units to air handlers produced by other manufacturers. These air handlers can be used with or without other CITY MULTI Indoor units.
- ETL certified to UL 60730-1 and UL 60730-2-9.
- The LEV kit can be used with air handlers for room temperature control or DOAS systems for discharge temperature control.
- The LEV kit can be used with all CITY MULTI® Control options. CN105 connections (thermostat interface adapter) for return air temperature control only.
- The LEV kit can be used with a 0 – 10 VDC input for set point control from other devices.
- Includes 4 thermistors and 2 duct-mounting brackets.
- Equipped for 3 speed fan control with signal relays.
- CN24 connection available for auxiliary heat control.
- Error Input / Output signal.
- Heating, cooling, and defrost signals.
- Humidifier control.

SPECIFICATIONS**LEV ASSEMBLY**

Design Capacity Range		Required Components					
Btu/h	kW	AHU Controller	Valve Assembly				
		PAC-AH001-1	PAC-LV24AC-1	PAC-LV48AC-1	PAC-LV60AC-1	PAC-LV96AC-1	PAC-LV120AC-1
4,800 - 24,000	1.41 - 7.03	1	1				
24,000 - 48,000	7.03 - 14.07	1		1			
48,000 - 60,000	14.07 - 17.58	1			1		
60,000 - 96,000	17.58 - 28.13	1				1	
96,000 - 120,000	28.13 - 35.17	1					1
120,000 - 192,000	35.17 - 56.27	1				2 ^{*1}	
192,000 - 240,000	56.27 - 70.34	1					2 ^{*1}

^{*1} PAC-LV96/120AC-1 are double valve assemblies. For these capacities two assemblies are required, see Figure 1 below.

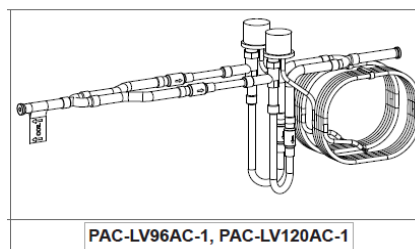
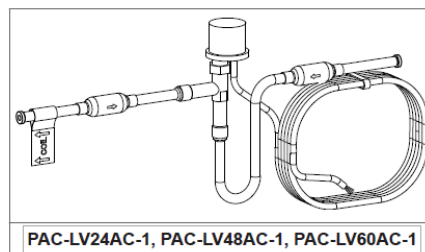
NOTE:

1. Mitsubishi Electric Sales Canada Inc. (MESCA) supports the use of only MESCA supplied and approved components and accessories for proper functioning of the unit(s). Use of non - MESCA supported components and accessories will affect warranty coverage. MESCA recommends (A) consideration of all applicable design and application parameters and requirements specific to any project; and (B) implementation of any countermeasures needed to address those parameters and requirements, in conjunction with ducted indoor units, wherever applicable.

^{*2} All components of the system must be compatible. For more details on system control compatibility, please refer to Technical Bulletin 100-151 available on our website.

NOTE: Items denoted in this submittal by an asterisk (*) are provided as specific instances or examples of system compatibility, and are not intended to represent a complete or exhaustive list of compatibility requirements.

3. Should any person change this document in any manner whatsoever without MESCA's written permission, the document shall be of no force and effect and any change shall be deemed to be a representation and warranty made by that person and not MESCA. That person, and not MESCA, shall assume full responsibility for the consequences of such changes. MESCA assumes no responsibility for any consequences in such cases.



Note:
Ventilation air to be introduced independent of or in series with VRF indoor units. Please refer to local codes for the required ventilation rates specific to the application.

Notes:

Specifications are subject to change without notice.

SPECIFICATIONS, CONTD.

LEV ASSEMBLY, CONTD.

Model		PAC-LV24AC-1	PAC-LV48AC-1	PAC-LV60AC-1	PAC-LV96AC-1	PAC-LV120AC-1
LEV Model		EFM-40	EFM-80	EFM-A0	EFM-80 (x2)	EFM-A0 (x2)
LEV Motor		12VDC Stepping motor drive (0~1400 pulse) Lock nut fastening torque: 14 N·m				
Cable Length	ft [m]	16 [5]				
Connection Pipe Diameter	in (mm)	3/8 (9.52)			1/2 (12.7)	

AHU CONTROLLER

Model			PAC-AH001-1
Power Supply			208/230 VAC, 60 Hz, 1-Phase
External Finish			Galvanized Steel Plate
Power Input		kW	0.012
Current *		A	0.055
Dimension	Height	in (mm)	19.5 (496)
	Width		12.8 (326)
	Depth		4.7 (119)
Control Box Net Weight (without packaging)		lbs (kg)	11.5 (5.2)
IP class			00
Operational Temperature Range		°F (°C)	-4 to 115 (-20 to 46)
Gas Pipe Thermistor			16 ft. in length
Liquid Pipe Thermistor			
Return Air Thermistor			
Discharge Air Thermistor			
Outdoor Units			All CITY MULTI® outdoor units excluding S-Series
Refrigerant Type			R410A

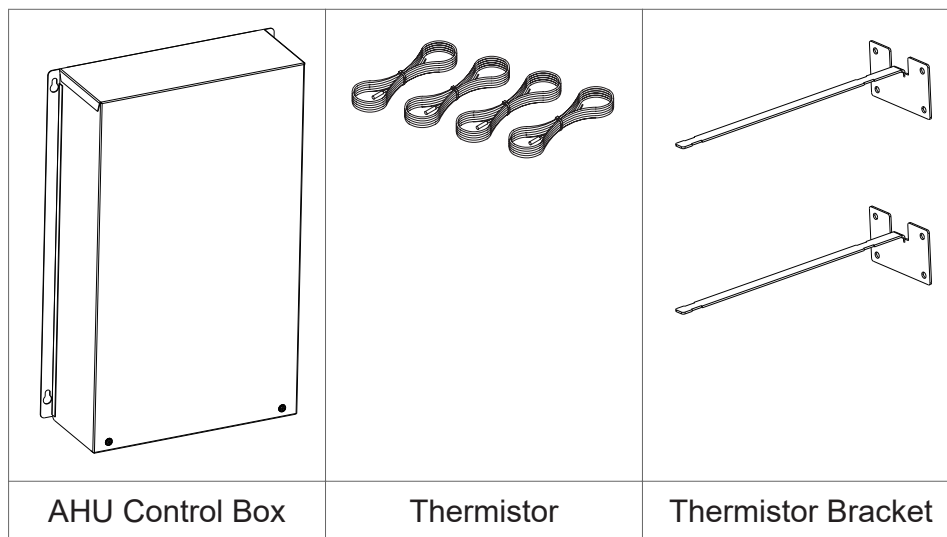
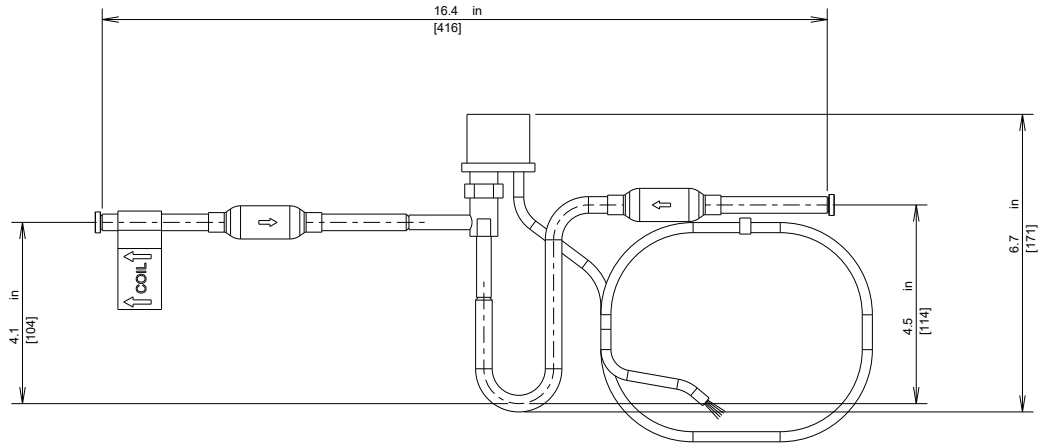


Figure 2. PAC-AH001-1 contents

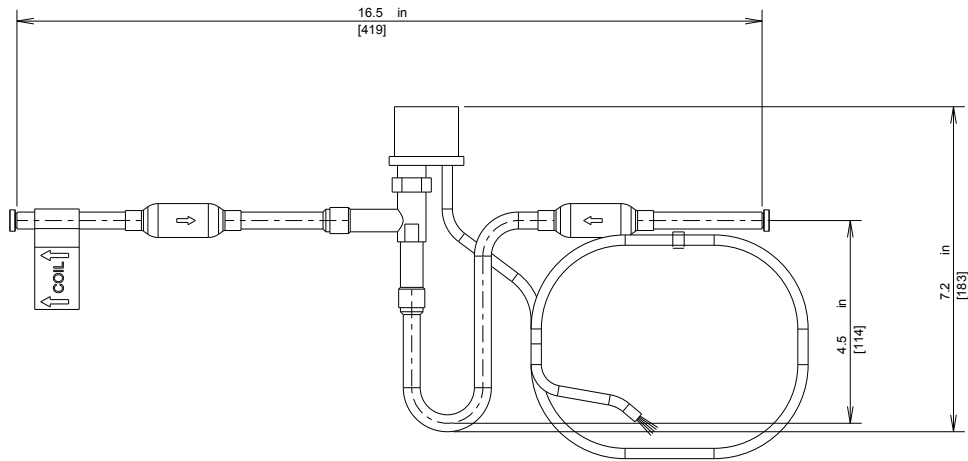
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-All electrical work shall comply with National (CEC) and local codes and regulations.

DIMENSIONS: LEV ASSEMBLY

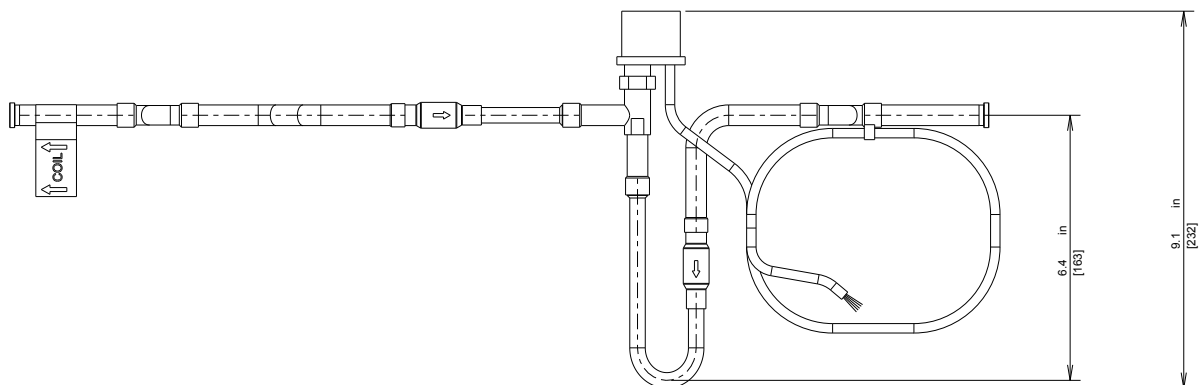
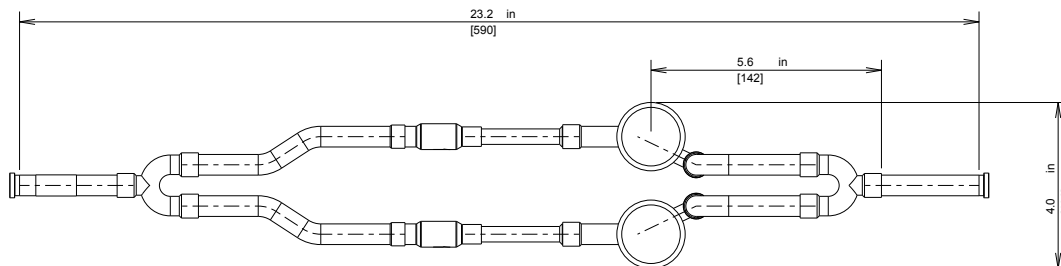
PAC-LEV24AC-1



PAC-LEV48AC-1, PAC-LEV60AC-1



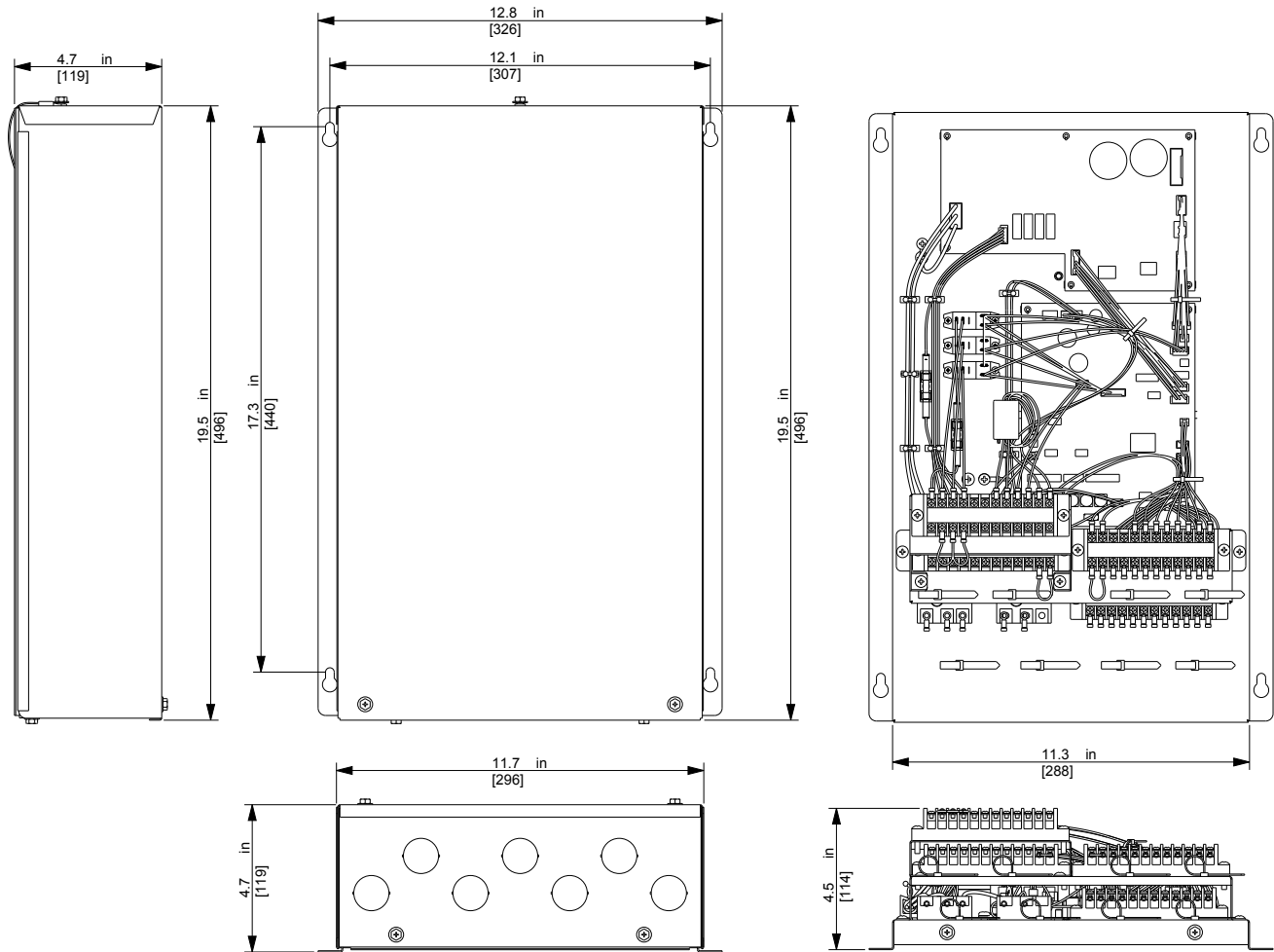
PAC-LEV96AC-1, PAC-LEV120AC-1



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DIMENSIONS: AHU CONTROLLER

PAC-AH001-1



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