

Date:

PO No.:

Architect:

Engr:

Rep:

(Company)

For: File Resubmit

Approval Other

GC:

Mech:

(Project Manager)



PAHCMS000

AHU Communications Kit

Discharge Air



Electrical:

Power Supply	208-230VAC, 60Hz, 1Ph
Rated Current	0.1A

Environmental Data:

Operating Temperature	-4 to +149°F
Humidity	0-98% (Non-condensing)

Unit Data:

Dimensions (inch)	14-31/32 W x 6-3/32 D x 11-13/16 H
Net Weight (lb.)	16.5
Shipping Weight (lb.)	19.4

Standard Features:

- Allows communication between third-party air handling unit controllers and LG air source and water source units
- AHU Coil Capacities
  - 41°F minimum entering air temperature
  - 12-576 kBtu/h for Multi V<sup>i</sup>
- One Thermistor (Return air; 16.4 ft. in length.)
- EEV Control
- Analog input (0-10V) for capacity control
- Digital Inputs for On/Off and Mode control
- Digital Outputs for ODU running status (heat/cool/off), ODU defrost signal
- Designed for outdoor installation

Required Accessories (Sold Separately):

One of the following wired controllers:

- ☐ MultiSITE Remote Controller CRC1 - PREMTBVC0
- ☐ MultiSITE Remote Controller CRC1+ - PREMTBVC1
- ☐ Premium Remote Controller - PREMTA000
- ☐ Simple Remote Controller - PREMTC00U

One of the following Electronic Expansion Valves:

- ☐ AHU EEV Kit PRLK048A0
- ☐ AHU EEV Kit PRLK096A0
- ☐ AHU EEV Kit PRLK396A0
- ☐ AHU EEV Kit PRLK594A0

Notes:

1. EEV Controller Module PAEEVA020 (factory supplied) is required for 594 kBtu/h. 2. Must follow installation instructions in the applicable LG installation manual.

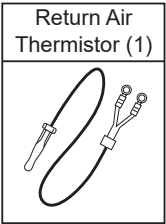
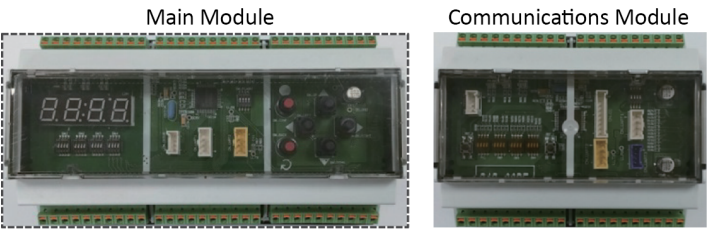
Connectivity:

LG Communications	RS-485 (Connects to CEN A/B or INT A/B Communications Terminals on ODU)
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Communications Cabling Specifications:

Type	Stranded, Shielded Copper Cable
Size	18 x 4

AWG - American Wire Gauge



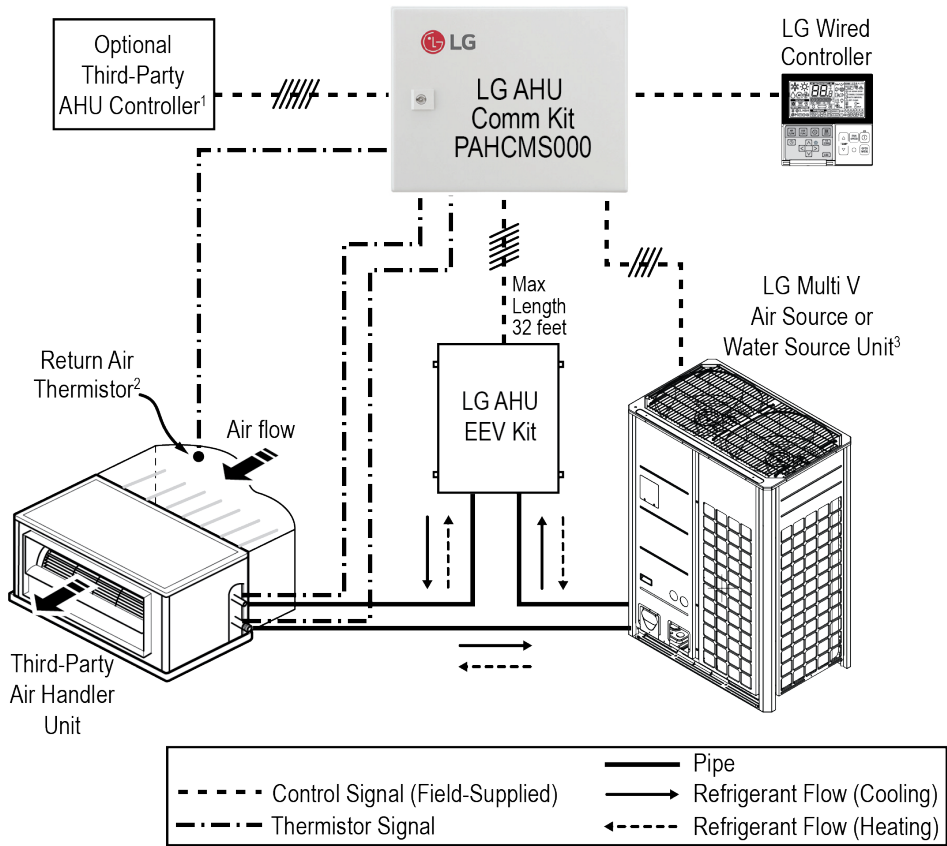
AHU Capacity Multi V (kBtu/h)

12	240
15	264
18	288
24	312
28	336
36	360
42	384
48	408
54	432
76	456
96	480
115	504
134	528
153	552
172	576
192	
216	

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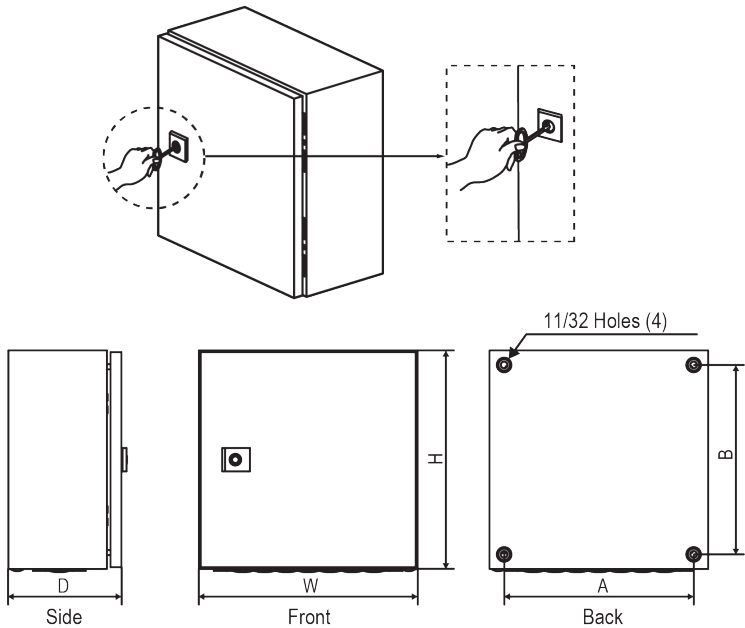


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<sup>1</sup>Third party AHU controller is recommended.  
<sup>2</sup>Return air temperature thermistor can be replaced with fixed resistor when AHU controller is using third party temperature sensors.  
<sup>3</sup>Compatible units are Multi V.

AHU Communications Kit Installation



Model	Size (inch)				
	W	D	H	A	B
PAHCMS000	14 31/32	6-3/32	11-13/16	13-2/5	10-1/4