

Job Name/Location:

Tag #:

Date:

For: File Resubmit
 Approval Other

PO No.:

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

PAHCMS000
AHU Communications Kit
 Discharge Air



Electrical:

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

Connectivity:

LG Communications	RS-485 (4 wires required: 2 connect to IDU A/B terminals and 2 connect to UI4/G terminals on ODU)
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Environmental Data:

Operating Temperature	-4-149 °F
Humidity	0-98 % (non-condensing)

Communications Cabling Specifications:

Type	stranded, shielded copper cable
Size	18 x 4

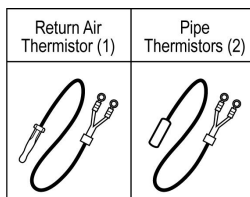
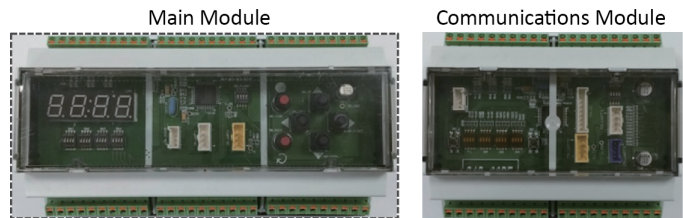
AWG - American Wire Gauge

Unit Data:

Dimensions (inch)	14-31/32 W x 6-3/32 H x 11-13/16 D
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
 - 12-594 kBtu/h for Multi V¹
 - 5-85 kBtu/h for Single Zone
 - 41°F minimum entering air temp
- 3 - Thermistor (Return air, pipe in, and pipe out. Each 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 indoor installation (field-supplied waterproof enclosure required for outdoor installation)



Required Accessories (sold separately)

One of the following wired controllers:

- MultiSITE Remote Controller CRC1 - PREMTBVC0
- MultiSITE Remote Controller CRC1+ - PREMTBVC1

One of the following Electronic Expansion Valves:

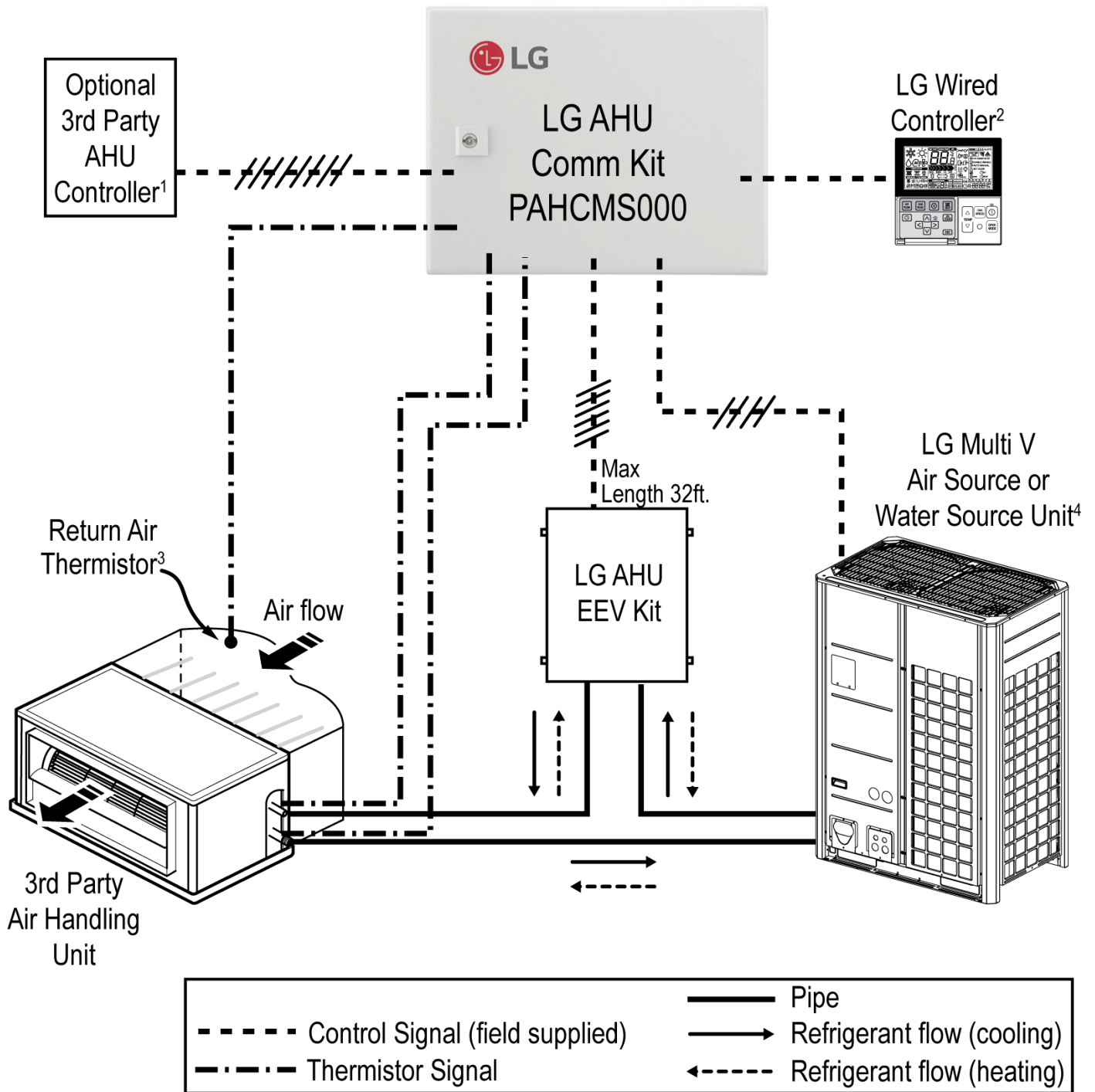
- AHU EEV Kit PRLK048A0
- AHU EEV Kit PRLK096A0
- AHU EEV Kit PRLK396A0
- AHU EEV Kit PRLK594A0²

AHU Capacity Multi V (kBtu/h)	AHU Capacity Single Zone (kBtu/h)
12	9
15	12
18	18
24	24
28	30
36	36
42	42
48	48
54	60
76	70
96	85
115	-
134	-
153	-
172	-
192	-
396	-
594	-

Notes:

1. EEV Controller Module PAEEVA020 is required for 594 kBtu/h
2. Requires EEV Controller Module PAEEVA020
3. Must follow installation instructions in the applicable LG installation manual.

For continual product development, LG reserves the right to change specifications without notice.



¹3rd party AHU controller is recommended.

²LG wired controller (required accessory) functions as error code display only. No system control available.

³Return air temperature thermistor can be replaced with fixed resistor when AHU controller is using 3rd party temperature sensors.

⁴Compatible units are Multi V and Single Zone.