

Job Name/Location:

Tag #:

Date: _____ For: File Resubmit
 PO No.: _____ Approval Other _____
 Architect: _____ GC: _____
 Engr: _____ Mech: _____
 Rep: _____
 (Company) (Project Manager)



PAHCMR000
AHU Communications Kit
 Return Air



Electrical:

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

Connectivity:

LG Communications	RS-485 (connects to IDU A/B communications 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 2

AWG - American Wire Gauge

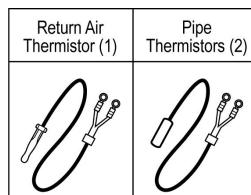
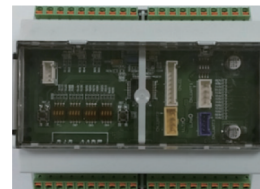
Unit Data:

Dimensions (inch)	11-13/16 W x 6-3/32 H x 11-13/16 D
Net Weight (lb)	13.7
Shipping Weight (lb)	16.4

Standard Features:

- Allows communication between third-party air handling unit controllers and LG air source and water source units
- AHU Coil Capacities
 - 12-396 kBtu/h for Multi V
 - 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)

Communications Module



Required Accessories (sold separately)

One of the following wired controllers:

- MultiSITE Remote Controller CRC1 - PREMTBVC0
- MultiSITE Remote Controller CRC1+ - PREMTBVC1
- Premium Remote Controller - PREMTA000
- Wireless Remote Controller - PQWRHQ0FDB (requires a wired remote controller)

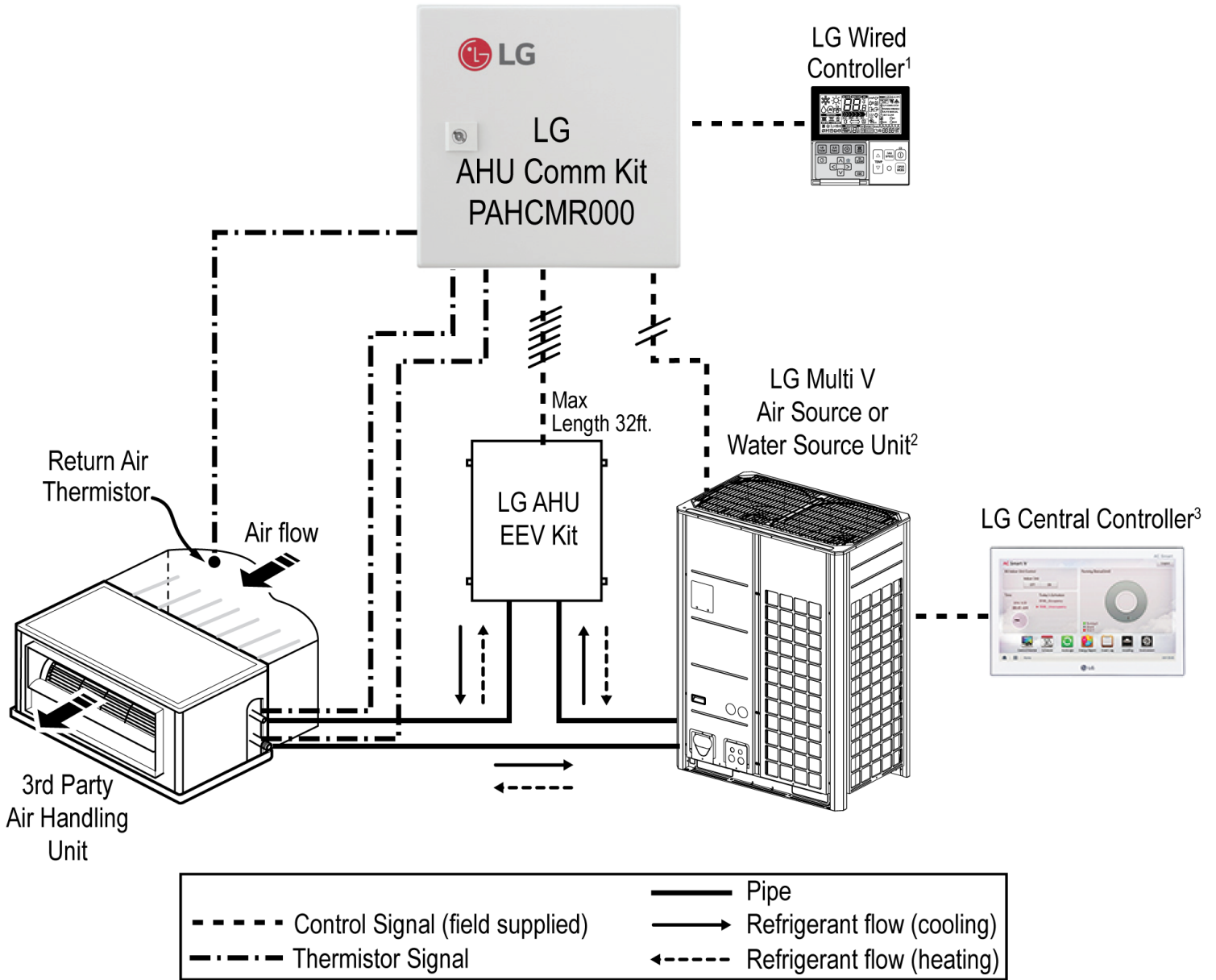
One of the following Electronic Expansion Valves:

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

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	-

Notes:

1. Must follow installation instructions in the applicable LG installation manual.



¹LG wired controller is required.

²Compatible units are Multi V and Single Zone.

³Compatible central controllers are AC Smart IV and ACP IV.