Job Name/Location: _____   **Tag #:** _____

Date: _____

For: ☐ File   ☐ Resubmit   ☐ Approval   ☐ Other _____

PO No.: _____

Architect: _____   GC: _____

Engr: _____   Mech: _____

Rep: _____

(Company)   (Project Manager)

PQNFB16A1
LonWorks® Gateway

LG
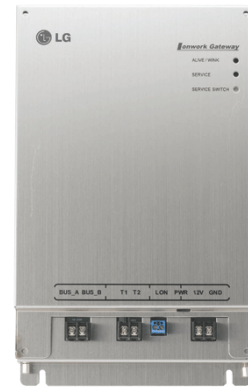
Electrical:

Power Supply	100-240 VAC 50/60 Hz
Power Consumption	18 W @ 12 VDC

Surrounding Conditions:

Operating Temperature	32-104 °F
Storage Temperature	-4 - 140 °F
Humidity	0 - 98% (non-condensing)

Unit Data:

Dimensions	7-1/8" W x 11-5/8" H x 5-5/8" D
Maximum Number of Outdoor Units	16
Maximum Number of Indoor Units	64
Temperature Value	°C (1.0° increment)

Standard Features:

•Integrates Multi V and Duct-Free Split Systems* with third party building automation systems supporting the LonTalk® (TP/FT-10) Protocol
•LonMark® certified (Version 3.4)
* Compatibility is dependent on model and requires PI-485 adapter.

Optional Accessories (sold separately):

☐ PMNFP14A0 - PI-485 V-Net Interface Adapter for DFS

Connectivity:

LG Communications	1 Channel - 2 Wire/ RS-485 V-Net
BMS Communications	TP/FT-10 78Kb/sec

BMS - Building Management System

Communications Cabling Specifications (V-Net):

Type	2-conductor, stranded, shielded copper cable/PVC or vinyl jacket
Size	AWG 18-2
Maximum Length	Max wiring distance end to end: 3,280 ft

AWG - American Wire Gage
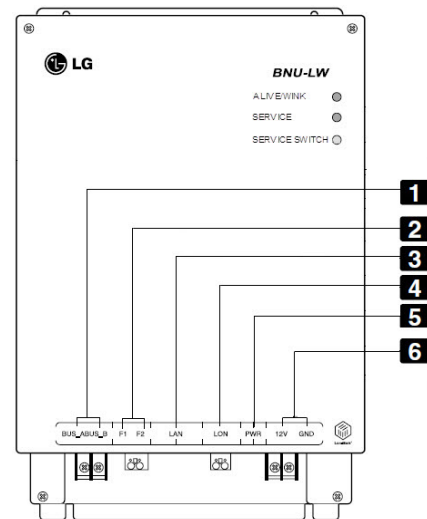
1 BUS_A/BUS_B: LG V-Net RS485 Com Port

2 F1, F2: Forced Off Contact Point (non-voltage)

3 LAN: Ethernet Com Port (RJ45)

4 LON: TP/FT-10 Communication Line (Lonworks)

5 PWR: Power Adapter

6 12V-GND: Connection for external 12VDC

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Check the appropriate box below to indicate the required integrated points for this project.

	Function	Description
Monitoring	ON/OFF (status)	Monitors ON/OFF status for each A/C or Eco V ventilator
	Lock (status)	Indicates if Lock function is active for each A/C or Eco V ventilator
	Operation Mode (status)	Monitors the operation mode for each A/C or Eco V ventilator
	Swing (status)	Monitors swing mode for each A/C
	Fan Speed (status)	Monitors fan speed for each A/C or ventilator
	Room Temperature	Monitors the room temperature value for each A/C
	Error Code	Indicates the respective error code that occurred from the A/C system, ventilator system, or the network
	User Mode (status)	Monitors the user mode for each Eco V ventilator
	Set Temperature (status)	Monitors room temperature setpoint value for each A/C
Control	ON/Off (setting)	Starts and stops the respective A/C or Eco V ventilator
	Lock (setting)	Sets the remote controller lock for the A/C or Eco V ventilator
	Operation Mode (setting)	Sets the operation mode of the A/C or Eco V ventilator
	Swing (setting)	Sets the air direction for each A/C
	Fan Speed (setting)	Sets the airflow of the A/C or Eco V ventilator
	Set Room Temperature	Sets the room temperature setpoint of the A/C
	User Mode (setting)	Sets the user mode for each Eco V ventilator