

Contact  
CONTROL

# BNU-LW (PQNFB16A1)

## BNU-LW(for the use in LonWorks)

- Easy interface between BMS and LG air conditioner
  - LonWorks Gateway for LG air condition system
  - Very widely applicable protocol(**LonTalk®** protocol )



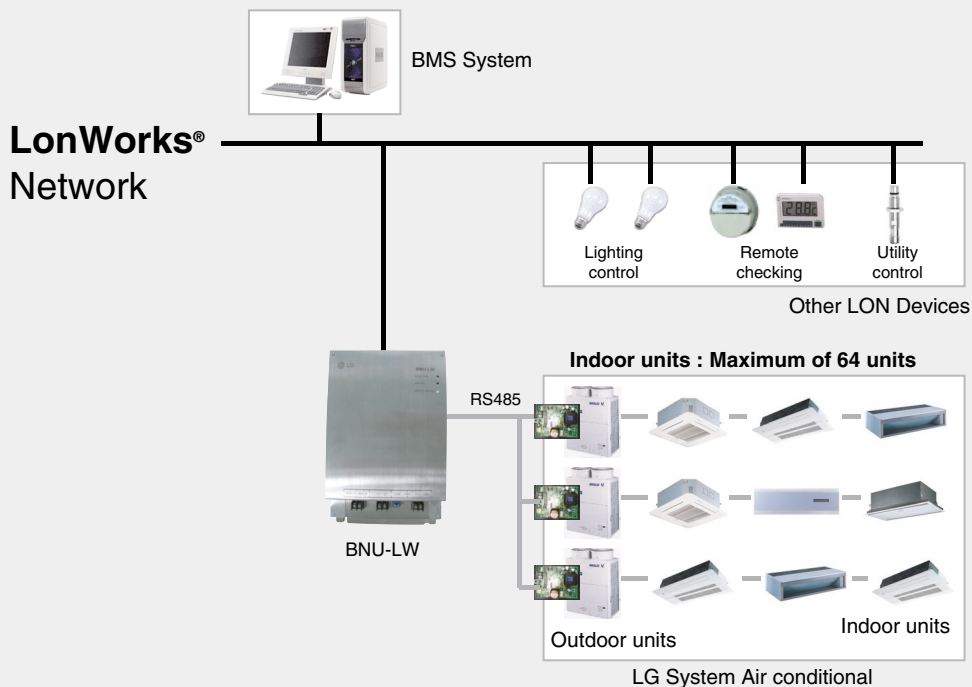
### Indoor and Ventilator Function block

Controlling	Monitoring
On/Off command	On/Off status report
Operation mode setting	Operation mode status report
Fan Speed setting	San Speed status report
Lock setting	Lock status report
Air flow setting (for only indoor)	Air flow status report (for only indoor)
Set Temp. setting (for only indoor)	Set Temp. status report (for only indoor)
User mode setting (for only ventilator)	Current Space Temp. status report
On/Off command for total indoors	Error status report
On/Off command for total ventilator	User mode status report (for only ventilator)

### Features

- LonMark® interoperability Guidelines Version 3.4 Compliance.
- LonWorks gateway between LonMark/LonTalk® protocol and LGAP (LG Air conditional Protocol)  
The Gateway can convert the LonTalk protocol to the LGAP protocol.
- Process ability
  - 64 units( including indoors and ventilators)
  - valid address for each unit : 0x00 ~ 0x3F
- Self installation verification function using internet
  - setting gateway
  - diagnosis of communication status on LG Air-conditioner network
- Connection to Remote Total Management System (LG system)

## System Configuration



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## Technical Specifications

Index	Details
Dimension(WxHxD)	178mm x 237mm x 50mm
Communication Port	RS485 Connector LG-Net(connects to PI485) LonWorks FT-10 Connector(connects to BMS) Ethernet port
Ethernet	RTL8201B REALTEK (10/100 BASE-T)
Debug	RS-232C
Serial	RS-485 Port (LG-NET)
LonWorks	FT-10 Free Topology channel
Input	Dip-SW (6 bit)
LED	Serial, Lonwork, Ethernet, Power, Run
Power	DC9~12V, 1~2A

- FT-10 line is used to connect communication lines between BMS System and the BNU-LW Gateway for LonWorks®

### Standard Function Block

