

Job Name/Location:

Tag No.:

Date:

For: ☐ File ☐ Resubmit
☐ Approval ☐ Other_____

PO No.:

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

PDRYCB500

Dry Contact; Modbus® Gateway For Indoor Unit



Electrical:

Power Supply 12 VDC (From Indoor Unit)

Environmental Conditions:

Operating Temperature 14 to 158°F
Storage Temperature -4 to +176°F
Humidity 0 to 98% (Non-condensing)

Unit Data:

Dimensions (inches) 4-3/4 W x 4-3/4 H x 1-1/4 D

Connectivity:

LG Communications 30" Wiring Harness (Included)

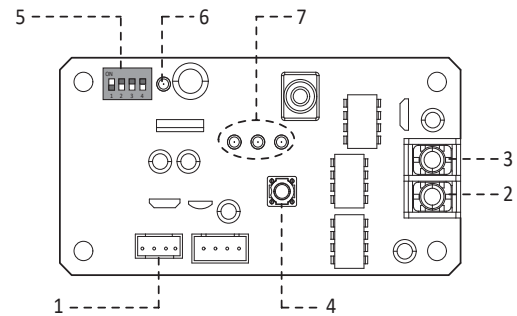
Standard Features:

- Control indoor unit operation with 3rd party thermostat or controller.
- Registers for: Operation, Mode, Set Temperature, Fan Speed, Indoor-Temperature and Error Alarm.
- Compatible with all Multi V Indoor units.

Notes:

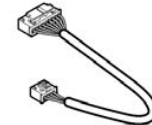
1. LG Wired Remote Controller must be disconnected from the indoor unit for PDRYCB500 communication to work.
2. Must follow installation instructions in the applicable LG installation manual.
3. Modbus is a registered trademark of Schneider Electric USA, Inc.

Parts Description:



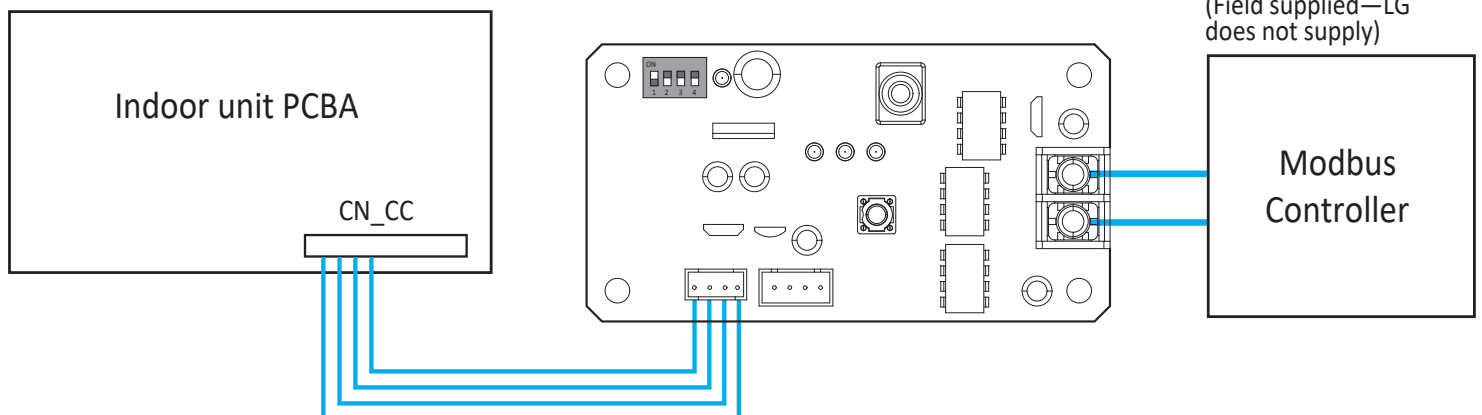
PCB

1. CN-OUT: Indoor Unit Connector
2. BUS-A: RS-485 (+) Terminal
3. BUS-B: RS-485 (-) Terminal
4. SW1: Reset Switch
5. SWDIP: Setting Address Switch
6. LED1: RS-485 Status LED
7. LED (01~03): Communication Status LED



Cable (One Each)
(For Connecting to the Indoor Unit)

Wiring:



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Specification:

1. Modbus Configuration

- Network: 2 wire RS485
- Mode: Modbus RTU slave
- Baud: 9600
- Parity: None
- Stop bits: 1
- Register Base: 0

2. Data Registers

Register	Name	Range	Notes
1	Operation	0 ~ 1	0: Stop 1: Run
30003	Indoor Temperature	100 ~ 400	Degrees C × 10
30100	Error Alarm	0 ~ 1	0 No Error 1: Error
40001	Set Run Mode	0 ~ 4	0: Cooling 2: Fan 3: AI 4: Heating
40002	Set Temperature	180 ~ 300	Degrees C × 10
40015	Set Fan Speed	1 ~ 3	1: Low 2: Middle 3: High