

# PARTS MANAGER BULLETIN

PMB25-017-**REV A**

DATE: 4/5/2025

AUTHOR: Emily Qiu

## Ductless BACnet 1:1 & 4:1 Gateway Compatibility for Bryant and Payne (**REVISION**)

This PMB provides an update to the previously published compatibility info of Ductless BACnet 1:1 INT-DMS-BAC-001 and 4:1 gateway INT-DMS-770-004 with Bryant and Payne Ductless products and factory wired wall controllers.

Only specific Ductless indoor product families are tested for compatibility with Ductless Gateways; indoor unit backward compatibility as well as future versions compatibility is not guaranteed.

### Bryant and Payne Ductless Gateway & Ductless Wired Controller Matrix

| Gateway                                                                           |                                                                                                                      | R-410A Wired Controllers                                                          |                                                                                   |                                                                                   |                                                                                    |                                                                                     | R-454B Wired Controllers                                                            |                                                                                                  |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| INT-DMS-BAC-001                                                                   | INT-DMS-770-004                                                                                                      | Timer Function                                                                    | Programmable                                                                      | Programmable                                                                      | Programmable                                                                       | Programmable                                                                        | Timer Function                                                                      | Programmable                                                                                     |
|  |                                     |  |  |  |  |  |  |               |
|                                                                                   |                                                                                                                      | (5V) Connects to 5 Wire Moduler Whip                                              | (5V) XYE                                                                          | (12V) XYE                                                                         | (5V) XYE                                                                           | (20V) HA/HB                                                                         | (5V) Connects to 5 Wire Moduler Whip                                                | Connects to (12V) XYE or (20V) HA/HB terminals or CN connection on the Indoor Main Control Board |
| Puron R-410A Indoor Models                                                        |                                                                                                                      | KSACN0101AAA                                                                      | KSACN0601AAA                                                                      | KSACN0701AAA                                                                      | KSACN0801AAA                                                                       | KSACN1001AAA                                                                        | KSACN1201AAA                                                                        | KSACN1401AAA                                                                                     |
| Model                                                                             | Type                                                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                                  |
| 619AHB, DHMAHB *                                                                  | High Wall                                                                                                            | YES                                                                               | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | YES                                                                                 | -                                                                                                |
| 40MHHC **                                                                         | High Wall - Cooling Only                                                                                             | YES                                                                               | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | YES                                                                                 | -                                                                                                |
| 40MHHAQ                                                                           | High Wall                                                                                                            | YES                                                                               | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | YES                                                                                 | -                                                                                                |
| 40MHHC **                                                                         | High Wall - Cooling Only                                                                                             | YES                                                                               | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | YES                                                                                 | -                                                                                                |
| 40MHHC                                                                            | High Wall                                                                                                            | YES                                                                               | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | YES                                                                                 | -                                                                                                |
| 619PHA, DHMPHA                                                                    | High Wall                                                                                                            | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | -                                                                                   | -                                                                                                |
| 619PHB, DHMPHB                                                                    | High Wall (18K Only)                                                                                                 | YES                                                                               | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | YES                                                                                 | -                                                                                                |
| DHMOVHA                                                                           | High Wall (Value Tier)                                                                                               | NO                                                                                | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | NO                                                                                  | -                                                                                                |
| 40MBCAQ                                                                           | 4-Way Cassette                                                                                                       | YES                                                                               | -                                                                                 | YES                                                                               | -                                                                                  | -                                                                                   | YES                                                                                 | YES                                                                                              |
| 40MBCQ                                                                            | 4-Way Cassette                                                                                                       | YES                                                                               | -                                                                                 | YES                                                                               | -                                                                                  | -                                                                                   | YES                                                                                 | YES                                                                                              |
| 40MCCA                                                                            | 1-Way Cassette                                                                                                       | YES                                                                               | -                                                                                 | YES                                                                               | -                                                                                  | -                                                                                   | YES                                                                                 | YES                                                                                              |
| 40MBAA                                                                            | AHU                                                                                                                  | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | -                                                                                   | -                                                                                                |
| 40MBAB                                                                            | AHU                                                                                                                  | NO                                                                                | -                                                                                 | -                                                                                 | -                                                                                  | YES                                                                                 | NO                                                                                  | YES                                                                                              |
| 40MUAA                                                                            | Ducted AHU                                                                                                           | NO                                                                                | -                                                                                 | -                                                                                 | -                                                                                  | YES                                                                                 | NO                                                                                  | YES                                                                                              |
| 40MBDAQ                                                                           | HS Slim Duct                                                                                                         | YES                                                                               | -                                                                                 | YES                                                                               | -                                                                                  | -                                                                                   | YES                                                                                 | YES                                                                                              |
| 40MBDQ                                                                            | Slim Duct                                                                                                            | YES                                                                               | -                                                                                 | YES                                                                               | -                                                                                  | -                                                                                   | YES                                                                                 | YES                                                                                              |
| 40MBFA                                                                            | Floor Console (12K)                                                                                                  | NO                                                                                | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | NO                                                                                  | -                                                                                                |
| 40MBFAQ                                                                           | Floor Console (12K)                                                                                                  | NO                                                                                | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | NO                                                                                  | -                                                                                                |
| 40MBFQ                                                                            | Floor Console (18K - 58K Only)                                                                                       | YES                                                                               | YES                                                                               | -                                                                                 | -                                                                                  | -                                                                                   | YES                                                                                 | YES                                                                                              |
| 40MKCF(Q)BF                                                                       | Console - Under Ceiling/Floor (18K-58K)                                                                              | NO                                                                                | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | NO                                                                                  | NO                                                                                               |
| NO                                                                                | Means that the wired controller is not compatible with the Ductless Gateway and indoor unit model                    |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                                  |
| YES                                                                               | Means that the wired controller and the Ductless Gateway can be connected to that indoor unit model at the same time |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                                  |
| -                                                                                 | Means that the wired controller is not compatible with indoor unit model                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                                  |

#### Note:

\*: The 619AHB, DHMAHB Indoor unit requires that a multi function board and 7 pin wiring harness are added to the indoor unit at the time of installation.

The multifunction board P/N 17122000A38610 and wiring harness P/N 17401204A02537 can be ordered as an accessory.

\*\*\*: The 40MHHC is a cooling only system. Please consider this when completing the integration.

The only Modes that should be mapped to the BACnet controls system should be Cooling, Dry & Fan.

1: The wireless infrared controller that comes with the indoor unit can be used at the same time as the Intesis BACnet gateway, or disabled by configuration.

2: The indoor unit control bus (XYE) can only support (1) controller connection at a time.

Do not connect the BACnet gateway and factory wire controller to the same (XYE) bus at the same time.

Revision Date 4/1/2025

# PARTS MANAGER BULLETIN

| Gateway                                                                           |                                                                                                                      | R-410A Wired Controllers                                                          |                                                                                   |                                                                                   |                                                                                    |                                                                                     | R-454B Wired Controllers                                                            |                                                                                                  |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| INT-DMS-BAC-001                                                                   | INT-DMS-770-004                                                                                                      | Timer Function                                                                    | Programmable                                                                      | Programmable                                                                      | Programmable                                                                       | Programmable                                                                        | Timer Function                                                                      | Programmable                                                                                     |
|  |                                     |  |  |  |  |  |  |               |
|                                                                                   |                                                                                                                      | (5V) Connects to 5 Wire Moduler Whip                                              | (5V) XYE                                                                          | (12V) XYE                                                                         | (5V) XYE                                                                           | (20V) HA/HB                                                                         | (5V) Connects to 5 Wire Moduler Whip                                                | Connects to (12V) XYE or (20V) HA/HB terminals or CN connection on the Indoor Main Control Board |
| Puron Advance R-454B Indoor Models                                                |                                                                                                                      | KSACN0101AAA                                                                      | KSACN0601AAA                                                                      | KSACN0701AAA                                                                      | KSACN0801AAA                                                                       | KSACN1001AAA                                                                        | KSACN1201AAA                                                                        | KSACN1401AAA                                                                                     |
| Model                                                                             | Type                                                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                                  |
| 615AHA, D5MAHA                                                                    | High Wall                                                                                                            | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | YES                                                                                 | NO                                                                                               |
| 45MHAC                                                                            | High Wall - Cooling Only                                                                                             | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | YES                                                                                 | NO                                                                                               |
| 45MHHAQ                                                                           | High Wall (Entry Tier)                                                                                               | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | YES                                                                                 | NO                                                                                               |
| 615PHA, D5MPHA                                                                    | High Wall (18K Only)                                                                                                 | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | YES                                                                                 | NO                                                                                               |
| D5MVHAQ                                                                           | High Wall (Value Tier)                                                                                               | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | NO                                                                                  | -                                                                                                |
| 45MBCAQ                                                                           | 4-Way Cassette                                                                                                       | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | YES                                                                                 | YES                                                                                              |
| 45MCCAQ                                                                           | 1-Way Cassette                                                                                                       | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | YES                                                                                 | YES                                                                                              |
| 45MBAAQ                                                                           | Multi-Positional Air Handler                                                                                         | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | NO                                                                                  | YES                                                                                              |
| 45MUAAQ                                                                           | Ducted Air Handler                                                                                                   | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | NO                                                                                  | YES                                                                                              |
| 45MUHAQ                                                                           | Ducted Air Handler                                                                                                   | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | NO                                                                                  | YES                                                                                              |
| 45MBDAQ                                                                           | High Static Slim Duct                                                                                                | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | YES                                                                                 | YES                                                                                              |
| 45MBDAQ                                                                           | Low Static Slim Duct                                                                                                 | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | YES                                                                                 | YES                                                                                              |
| 45MBFAQ                                                                           | Floor Console (9K, 12K, & 16K)                                                                                       | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | NO                                                                                  | NO                                                                                               |
| 45MCFaq                                                                           | Console - Under Ceiling/Floor (18K-60K Only)                                                                         | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                  | -                                                                                   | YES                                                                                 | YES                                                                                              |
| NO                                                                                | Means that the wired controller is not compatible with the Ductless Gateway and indoor unit model                    |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                                  |
| YES                                                                               | Means that the wired controller and the Ductless Gateway can be connected to that indoor unit model at the same time |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                                  |
| -                                                                                 | Means that the wired controller is not compatible with indoor unit model                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                                  |

## Note:

1: When using a wired controller the Follow Me function is no longer valid when a BACnet gateway is used.

2: The indoor unit control bus (XYE) can only support (1) controller connection at a time. Do not connect the BACnet gateway and factory wire controller to the same (XYE) bus at the same time.

Revision Date: 4/1/2025

# PARTS MANAGER BULLETIN

## 619PHB, DHMPHB (18K Only) is Compatible

1: Wire the BACnet gateway to CN42.

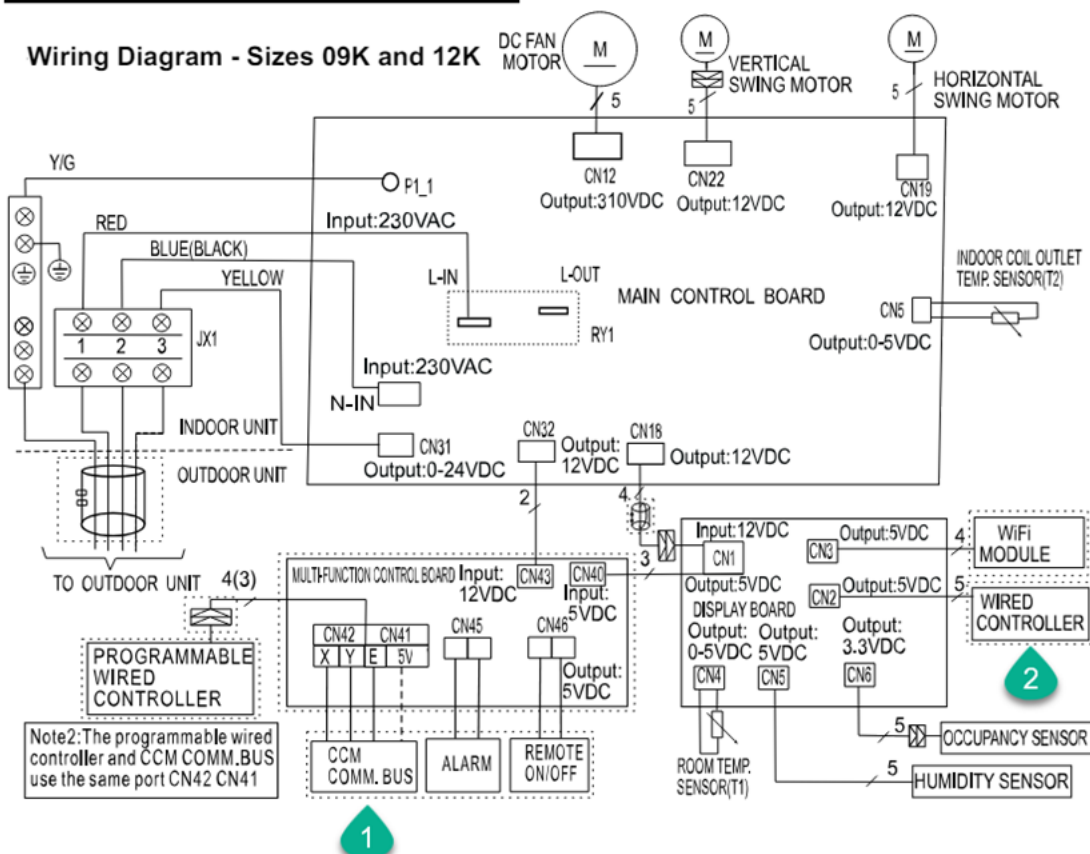
The 619PHB, DHMPHB indoor unit has a 5-wire connection that is compatible with the KSACN0101AAA wired controller.

2: Wire the KSACN0101AAA 5-wire wired controller to CN2.

**Note:** When sending commands from the Building Automation system to the indoor, the indoor unit will update with the changes, but the KSACN0101AAA 5-wire wired controller will not reflect the changes on its display. The KSACN0101AAA 5-wire wired controller can only send information to the indoor unit, it cannot read any commands sent from another controller to the indoor unit.

### High Wall Unit Ductless System Sizes 09 to 18

Wiring Diagram - Sizes 09K and 12K



Connect the Intesis BACnet gateway to CN 42

# PARTS MANAGER BULLETIN

## 619AHB, DHMAHB is Compatible

1: Wire the BACnet gateway to CN42.

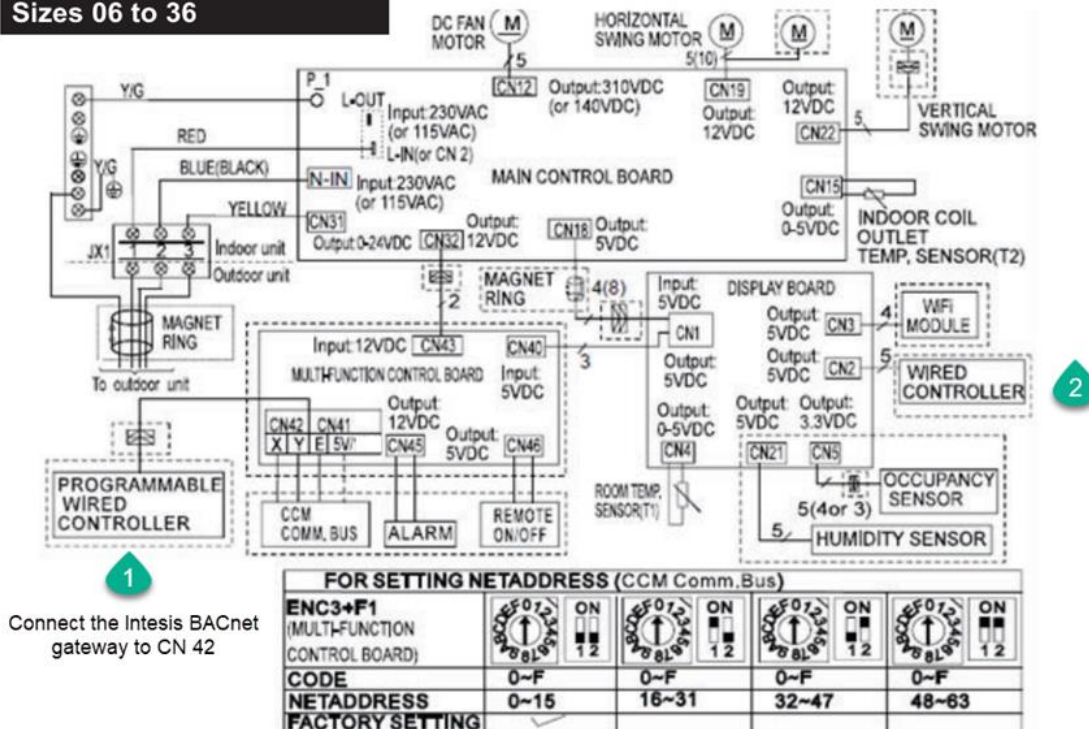
The 619AHB, DHMAHB indoor unit has a 5-wire connection that is compatible with the KSACN0101AAA wired controller.

The 619AHB, DHMAHB Indoor unit requires that a multi-function board and 7 pin wiring harness are added to the indoor unit at the time of installation. The multifunction board P/N 17122000A38610 and wiring harness P/N 17401204A02537 can be ordered as an accessory.

2: Wire the KSACN0101AAA 5-wire wired controller to CN2.

**Note:** When sending commands from the Building Automation system to the indoor, the indoor unit will update with the changes, but the KSACN0101AAA 5-wire wired controller will not reflect the changes on its display. The KSACN0101AAA 5-wire wired controller can only send information to the indoor unit, it cannot read any commands sent from another controller to the indoor unit.

## High Wall Ductless System Sizes 06 to 36



# PARTS MANAGER BULLETIN

### **40MHHC (Cooling Only) is Compatible**

1: Wire the BACnet gateway to CN42.

The 40MHHC indoor unit has a 5-wire connection that is compatible with the KSACN0101AAA wired controller.

**Note:** The documentation says that there is no CN2 5-wire connection on this unit. There is and it has been validated.

2: Wire the KSACN0101AAA 5-wire wired controller to CN2.

**Note:** When sending commands from the Building Automation system to the indoor, the indoor unit will update with the changes, but the KSACN0101AAA 5-wire wired controller will not reflect the changes on its display. The KSACN0101AAA 5-wire wired controller can only send information to the indoor unit, it cannot read any commands sent from another controller to the indoor unit.

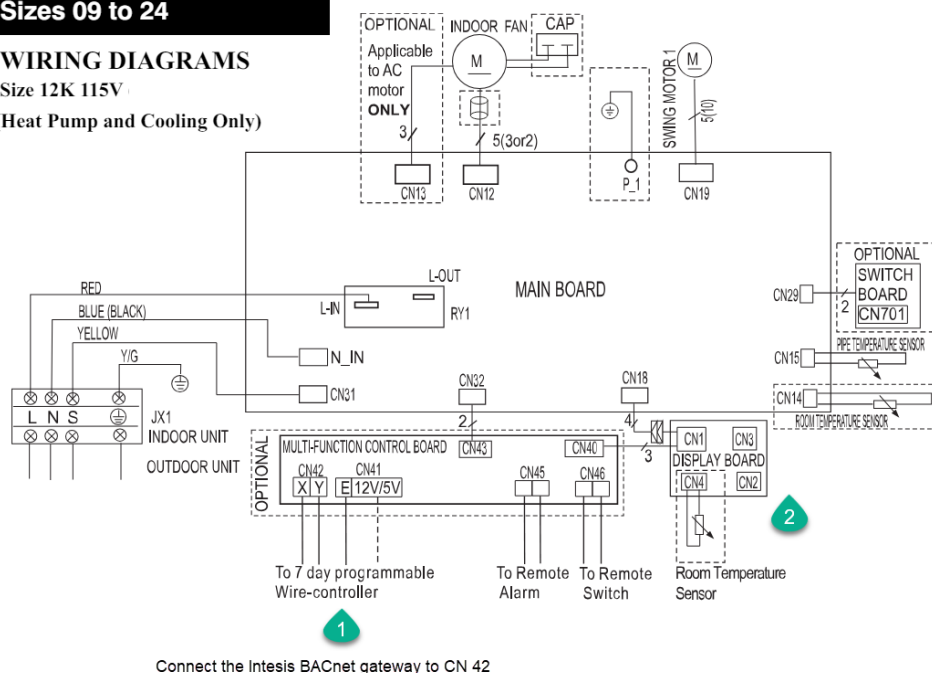
**Note:** Since this is a Cooling only unit, do not bind or integrated to the Heat Mode object when integrating to this unit.

## 40MHHC High Wall Ductless System Sizes 09 to 24

## WIRING DIAGRAMS

Size 12K 115V

**(Heat Pump and Cooling Only)**



# PARTS MANAGER BULLETIN

## 40MHHQ is Compatible

1: Wire the BACnet gateway to CN42.

The 40MHHQ indoor unit has a 5-wire connection that is compatible with the KSACN0101AAA wired controller.

**Note:** The documentation says that there is no CN2 5-wire connection on this unit. There is and it has been validated.

2: Wire the KSACN0101AAA 5-wire wired controller to CN2.

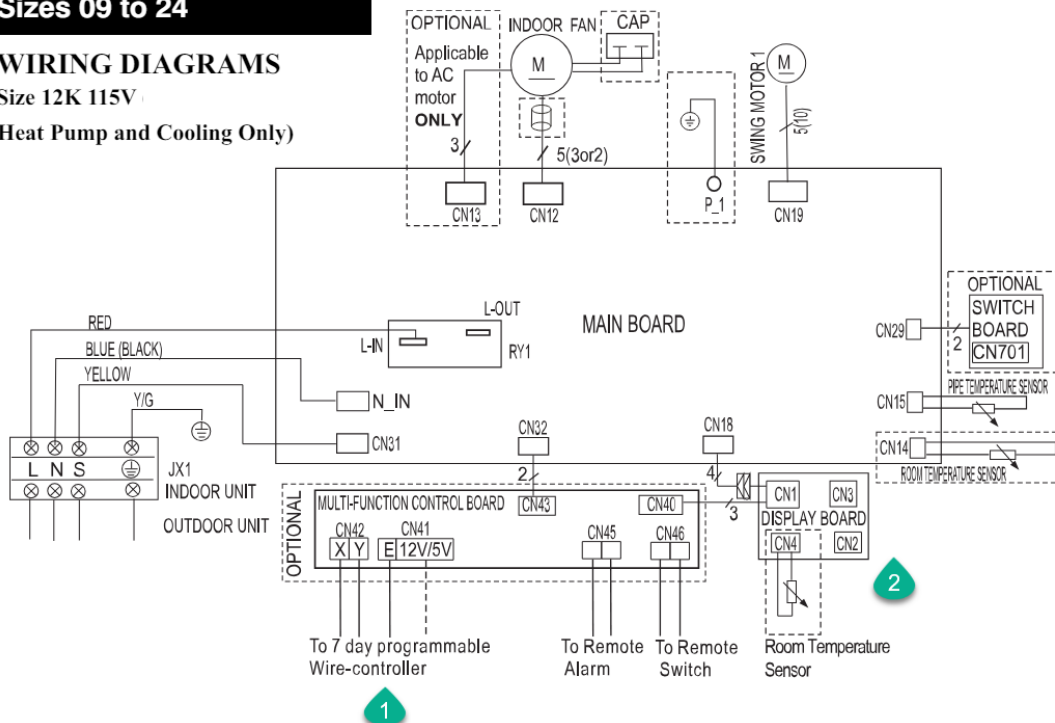
**Note:** When sending commands from the Building Automation system to the indoor, the indoor unit will update with the changes, but the KSACN0101AAA 5-wire wired controller will not reflect the changes on its display. The KSACN0101AAA 5-wire wired controller can only send information to the indoor unit, it cannot read any commands sent from another controller to the indoor unit.

### 40MHHQ High Wall Ductless System Sizes 09 to 24

#### WIRING DIAGRAMS

Size 12K 115V

(Heat Pump and Cooling Only)



Connect the Intesis BACnet gateway to CN 42

# PARTS MANAGER BULLETIN

## 40MHHAQ is Compatible

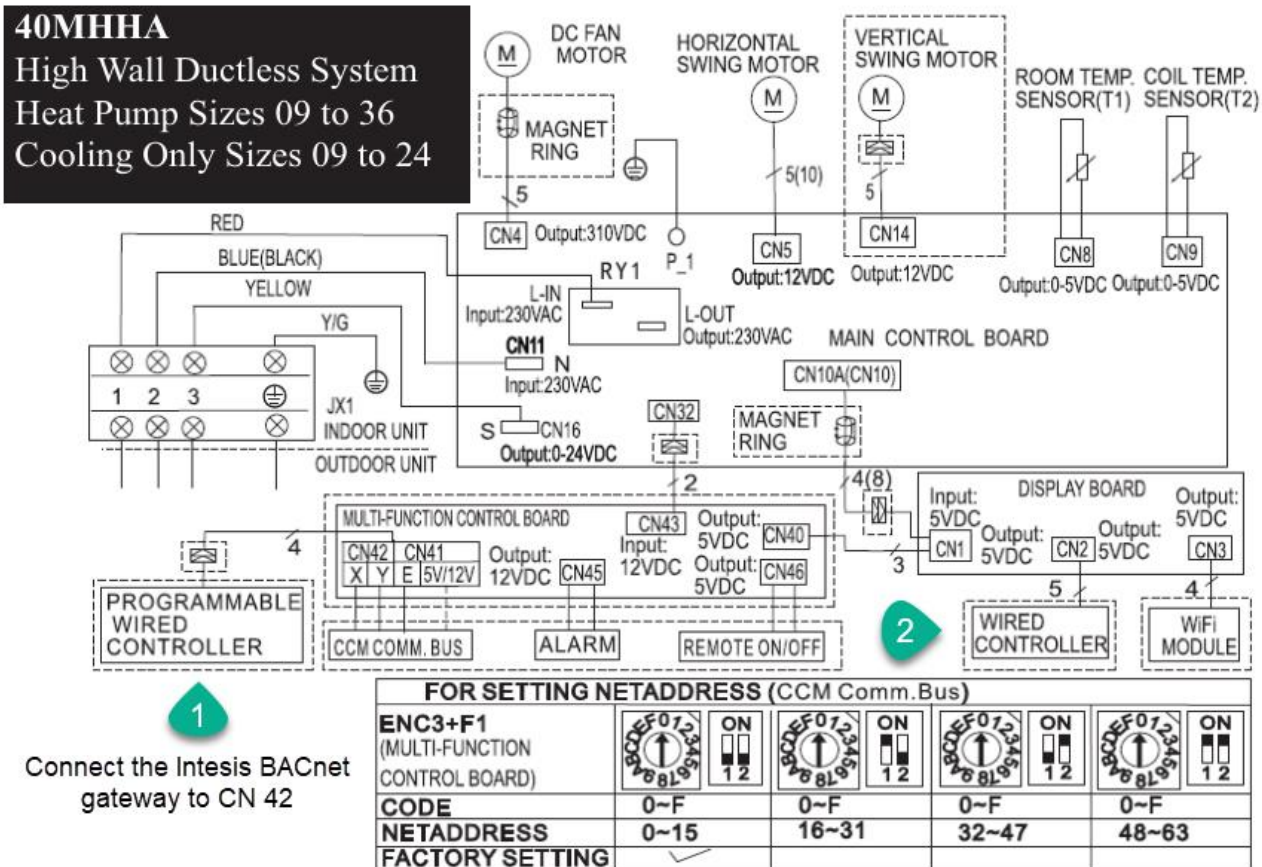
1: Wire the BACnet gateway to CN42.

The 40MHHAQ indoor unit has a 5-wire connection that is compatible with the KSACN0101AAA wired controller.

2: Wire the KSACN0101AAA 5-wire wired controller to CN2.

**Note:** When sending commands from the Building Automation system to the indoor, the indoor unit will update with the changes, but the KSACN0101AAA 5-wire wired controller will not reflect the changes on its display. The KSACN0101AAA 5-wire wired controller can only send information to the indoor unit, it cannot read any commands sent from another controller to the indoor unit.

### Wiring Diagram Sizes 24K (208/230V) through 36K (208/230V)



Connect the Intesis BACnet gateway to CN 42

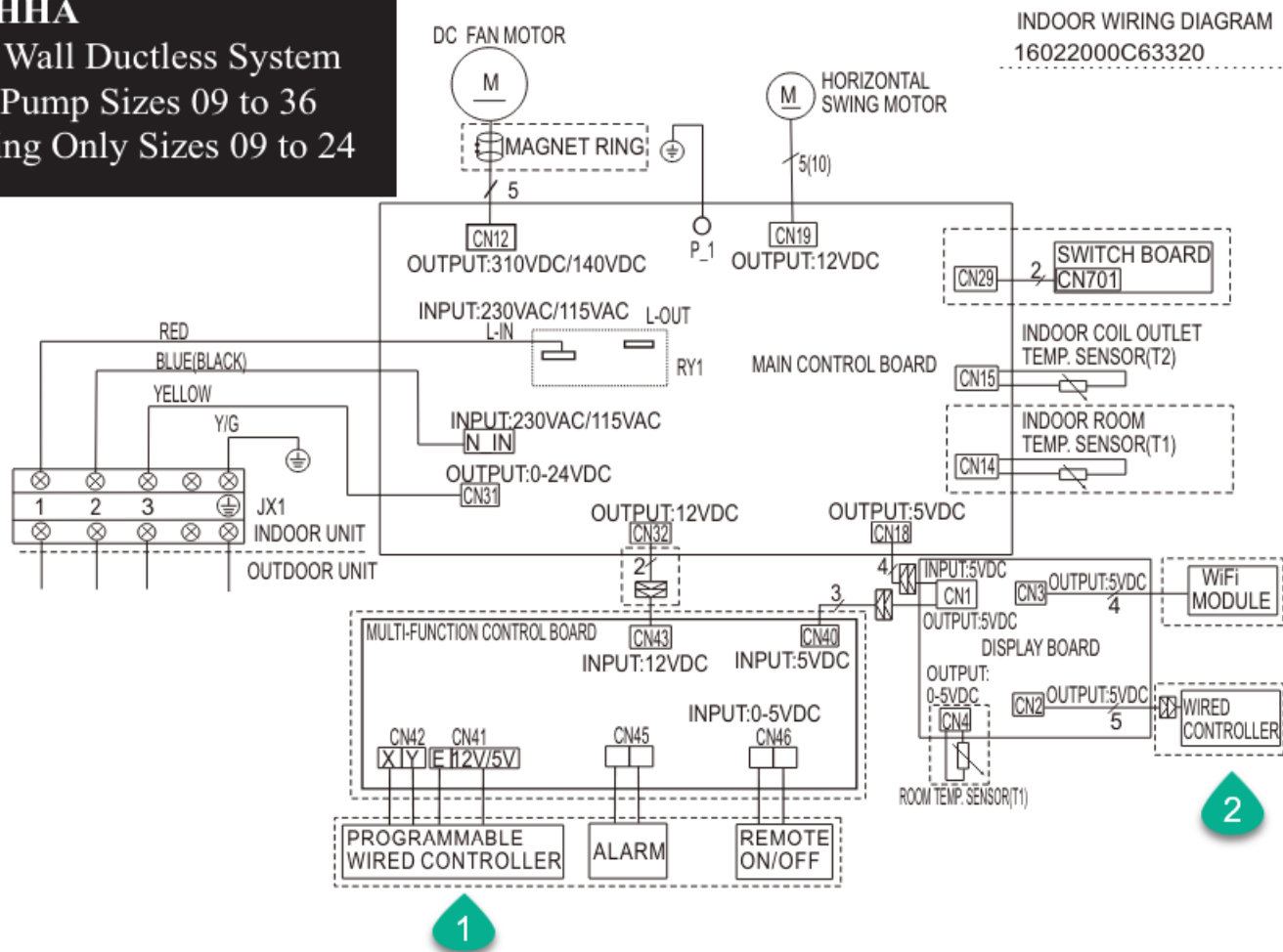
# PARTS MANAGER BULLETIN

## 40MHHAQ is Compatible (Continued)

Wiring Diagram Sizes 9K and 12K (115V and 208/230V) / 18K (208V/230V)

### 40MHHA

High Wall Ductless System  
Heat Pump Sizes 09 to 36  
Cooling Only Sizes 09 to 24



Connect the Intesis BACnet gateway to CN 42

# PARTS MANAGER BULLETIN

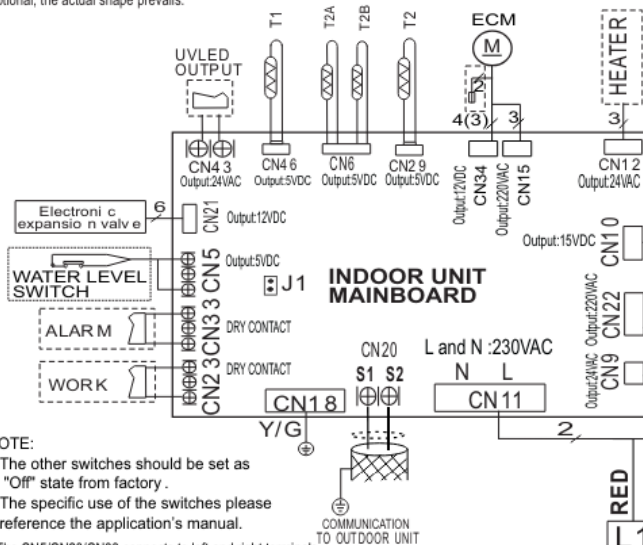
## 40MUAA is Compatible

Note: SW1-1 needs to be set to OFF for factory wired controller configuration. The BACnet gateway needs to be wired to the CN3 (XYE) port of the indoor unit. The factory wired controller model KSACN1001AAA needs to be connected to the CN7 (HA HB) wired controller connection of the indoor unit.

NOTE:

1. The parts with a dotted line indicates optional features.
2. Remove the short connector of JR1 when you use the "on-off" function.
3. Remove the short connector of J1 when using the "WATER LEVEL SWITCH" function.
4.  This symbol indicates the element is optional, the actual shape prevails.

| WIRING DIAGRAM |                                |
|----------------|--------------------------------|
| CODE           | PART NAME                      |
| ECM            | INDOOR ECM MOTOR               |
| T1             | ROOM TEMP. SENSOR              |
| T2             | COILTEMP> SENSOR               |
| T2A            | INDOOR COIL INLET TEMP.SENSOR  |
| T2B            | INDOOR COIL OUTLET TEMP.SENSOR |



NOTE:

1. The other switches should be set as "Off" state from factory .
2. The specific use of the switches please reference the application's manual.
3. The CN5/CN23/CN33 connects to left and right terminals.

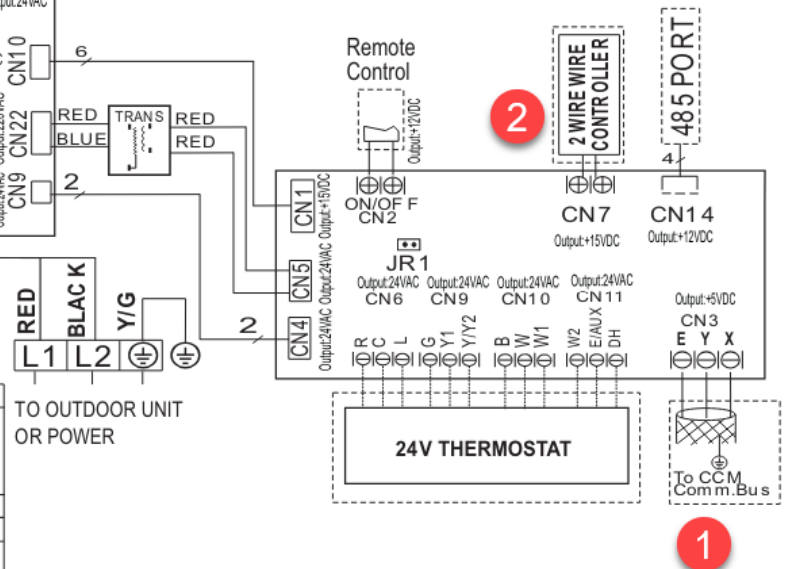
| FOR SETTING POWER (DC MOTOR MODEL ONLY) |                            |       |       |        |         |              |
|-----------------------------------------|----------------------------|-------|-------|--------|---------|--------------|
| ENC1                                    |                            |       |       |        |         |              |
| CODE                                    | 4                          | 5     | 7     | 8      | 9       | A B          |
| CAPACITY                                | ≤53                        | 54-71 | 72-90 | 91-105 | 106-140 | 141-160 ≥161 |
| FACTORY SETTING                         | ACCORDING TO RELATED MODEL |       |       |        |         |              |

## 24V THERMOSTATS SETTING

|  |  |
|--|--|
|  |  |
|--|--|

**FOR SETTING NET ADDRESS**

| S1+S2              |  |  |  |  |
|--------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| CODE               | 0-F                                                                               | 0-F                                                                                | 0-F                                                                                 | 0-F                                                                                 |
| NETADDRESS         | 0-15                                                                              | 16-31                                                                              | 32-47                                                                               | 48-63                                                                               |
| FACTORY<br>SETTING | ✓                                                                                 |                                                                                    |                                                                                     |                                                                                     |

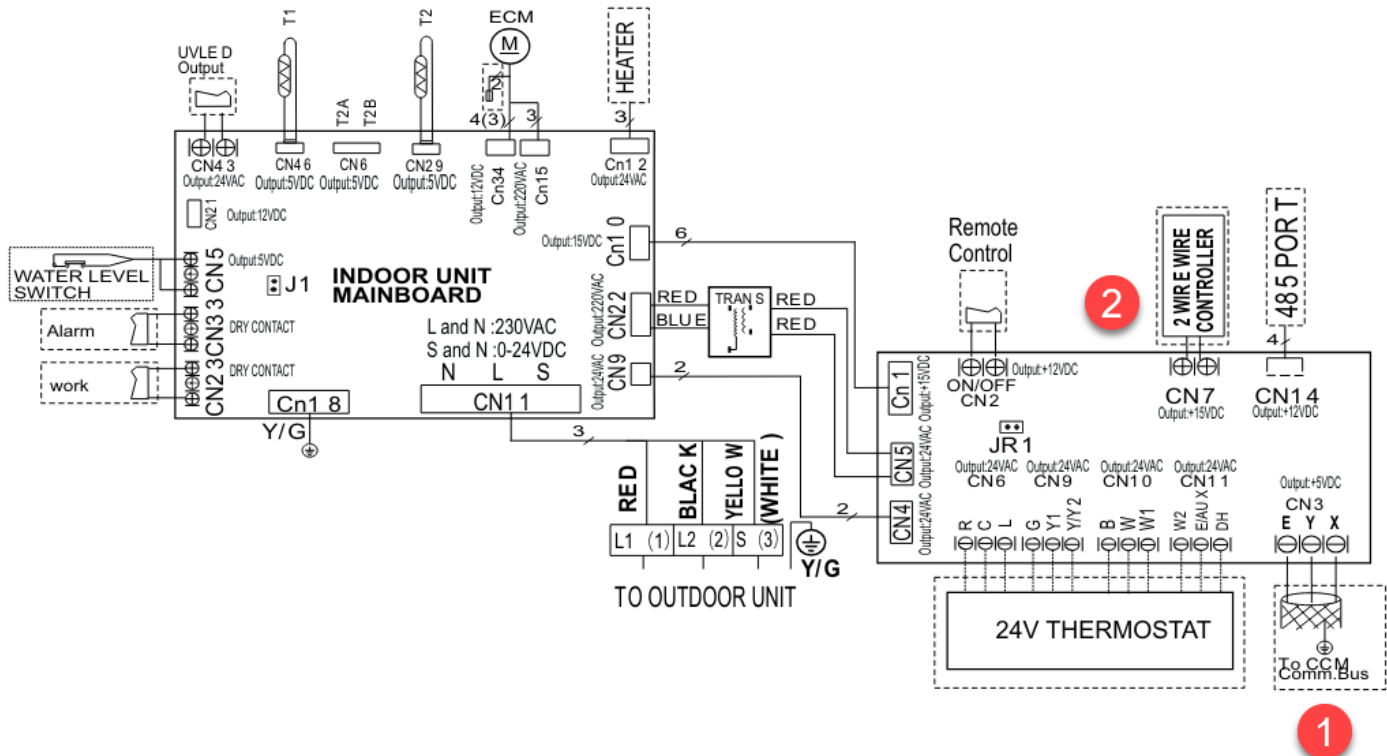


# PARTS MANAGER BULLETIN

## 40MBAB is Compatible

Note: SW1-1 needs to be set to OFF for factory wired controller configuration. The BACnet gateway needs to be wired to the CN3 (XYE) port of the indoor unit.

The factory wired controller model KSACN1001AAA needs to be connected to the CN7 (HA HB) wired controller connection of the indoor unit.



# PARTS MANAGER BULLETIN

## 40MCCA is Compatible

BACnet gateway connects to CN3 (XYE)

Factory wire wall controller connects to CN40

