FOR INSTALLATION MANUAL

Important Notices about Indoor Units Produced in September 2019 or Later*1

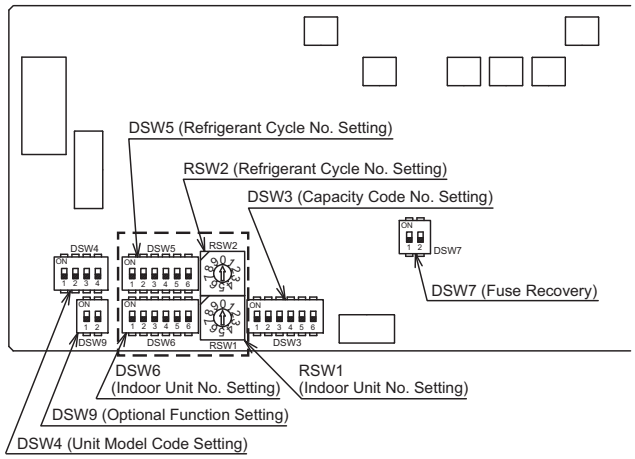
Read the following instructions before proceeding with operation and making any changes.

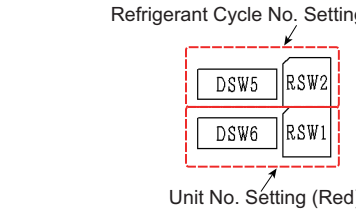
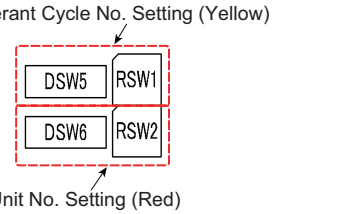
*1 Refer to Technical Bulletin for applicable new functions and serial numbers.

1. Changes to Rotary Switch and DIP Switch Settings

Rotary Switch and DIP Switch Settings for the following models are changed.

4-Way Cassette [(H,Y,C)IC4008 to 048B21S]
2-Way Cassette [(H,Y,C)IC2018, 024B21S]
1-Way Cassette [(H,Y,C)IC1006 to 015B21S]
4-Way Cassette Mini [(H,Y,C)ICM008 to 018B21S]
Ceiling Suspended [(H,Y,C)ICS015 to 036B21S]



<table>
<tr><th>Produced in August 2019 or Earlier</th><th>Produced in September 2019 or Later</th></tr>
<tr><td>Arrangement of Rotary Switch and DIP Switch
 
</td><td>Arrangement of Rotary Switch and DIP Switch
 
</td></tr>
<tr><td>Unit No. Setting (RSW1 and DSW6)
DSW6 (Tens Digit) | RSW1 (Units Digit) | Ex.) Set at No.16 Unit
ON / OFF 1 2 3 4 5 6 | Setting Position | Set by inserting slotted screwdriver into the groove. | DSW6 ON / OFF 1 2 3 4 5 6 Set No.1 Pin at ON side
Before shipment, DSW6 and RSW1 are set at "0".
For the units supporting H-LINK II, the unit No. can be set for Max. 64 indoor units (No.0~63).
RSW1 Set at "6"</td><td>Unit No. Setting (RSW2 and DSW6)
DSW6 (Tens Digit) | RSW2 (Units Digit) | Ex.) Set at No.16 Unit
ON / OFF 1 2 3 4 5 6 | Setting Position | Set by inserting slotted screwdriver into the groove. | DSW6 ON / OFF 1 2 3 4 5 6 Set No.1 Pin at ON side
Before shipment, DSW6 and RSW2 are set at "0".
For the units supporting H-LINK II, the unit No. can be set for Max. 64 indoor units (No.0~63).
RSW2 Set at "6"</td></tr>
<tr><td>Refrigerant Cycle No. Setting (RSW2 and DSW5)
DSW5 (Tens Digit) | RSW2 (Units Digit) | Ex.) Set at No.5 Cycle
ON / OFF 1 2 3 4 5 6 | Setting Position | Set by inserting slotted screwdriver into the groove. | DSW5 ON / OFF 1 2 3 4 5 6 Set All Pins OFF
Before shipment, DSW5 and RSW2 are set at "0".
For the units supporting H-LINK II, the ref. cycle No. can be set for Max. 64 cycles. (No. 0~63)
RSW2 Set at "5"</td><td>Refrigerant Cycle No. Setting (RSW1 and DSW5)
DSW5 (Tens Digit) | RSW1 (Units Digit) | Ex.) Set at No.5 Cycle
ON / OFF 1 2 3 4 5 6 | Setting Position | Set by inserting slotted screwdriver into the groove. | DSW5 ON / OFF 1 2 3 4 5 6 Set All Pins OFF
Before shipment, DSW5 and RSW1 are set at "0".
For the units supporting H-LINK II, the ref. cycle No. can be set for Max. 64 cycles. (No. 0~63)
RSW1 Set at "5"</td></tr>
</table>

2. Installation of Baseboard Heater (as Auxiliary Heater) (Field-Supplied)

⚠WARNING

- When the baseboard heater is installed and connected, be sure to follow local codes, regulations and regulations according to UL1996, and refer to this manual. Improper installation may result in fire from overheating.
- Do not install and connect the baseboard heater in places where heater can come into contact with combustible materials. Otherwise, fire may result.
- Provide adequate clearance spacing between the baseboard heater and indoor unit.
  Refer to the baseboard heater manual for details.
  Otherwise, fire may result from over heating the indoor unit.
- Do not attach the baseboard heater directly to the indoor unit.
  Otherwise, fire may result from combustible materials inside the indoor unit.
- Route the baseboard heater wiring so that it can not come into contact with any part of the heater.
  Otherwise, fire may result.
- Baseboard heater must be properly selected so that double overheating safety protection devices (Thermal Protector and Thermal Fuse) are built-in. Otherwise, fire may result from over heating of heater when the components such as relays fails.
- When the baseboard heater is used along with indoor unit's motion sensor function, the warmed air generated from heater may be misdetected as temperature change of person.
  Select a suitable installation location for the baseboard heater.

2.1 Selection of Baseboard Heater

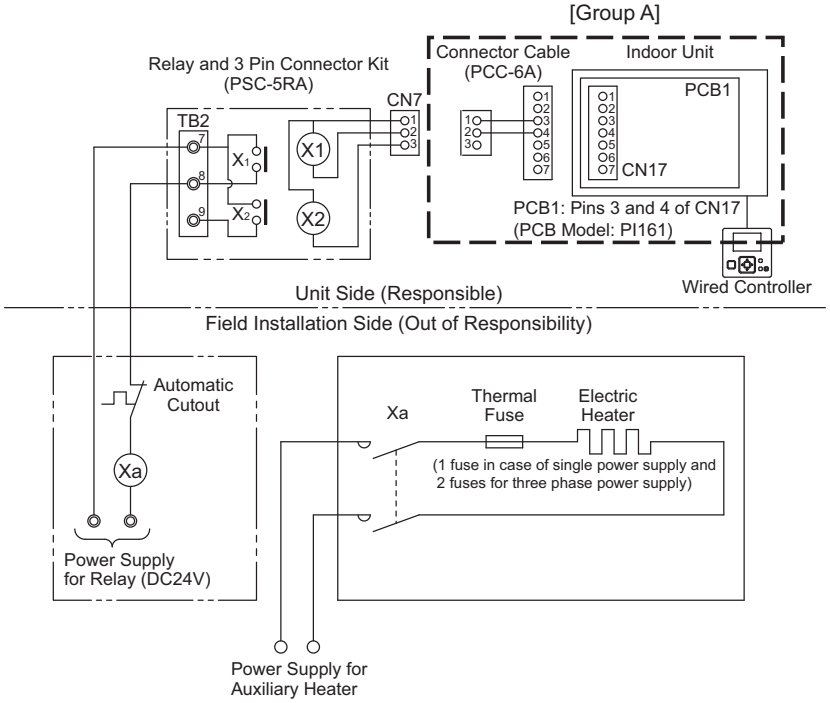
When using the baseboard heater, the baseboard heater must be properly selected according to the installation environment.

2.2 Baseboard Heater Connection

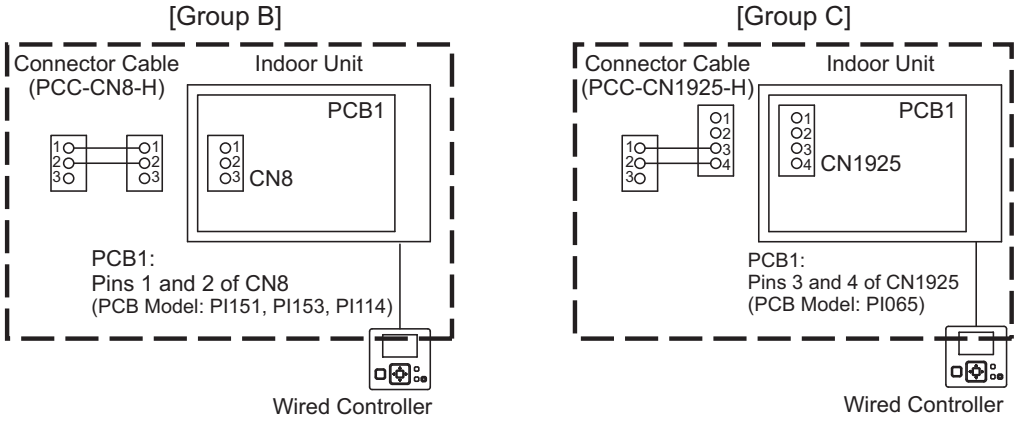
When the baseboard heater is used, wire the circuit as shown below.

NOTE:
Be sure to use the specific output terminal on the indoor unit PCB for output auxiliary heater signal. Output terminal and connector are different depending on the indoor unit type.

Example of Electrical Wiring [Group A]



Previous page figure illustrate the example of [Group A] indoor unit type.
In case of other indoor unit type, replace the dotted enclosed part with the following.



⚠WARNING

- When PSC-5RA (optional part, required) is used for connection between the baseboard heater and indoor unit, DO NOT connect the connector (CN7) to the indoor unit PCB. **Otherwise, fire may result.** Use connector cable (optional part, required) between the connector (CN7) of PSC-5RA and the indoor unit PCB connector.
  Output terminal and connector are different depending on the indoor unit type.
  Be sure to order following optional parts applicable to the indoor unit model for the output auxiliary heater signal. Connector (CN3) can be used for input integration functionality. Use another PSC-5RA for output integration functionality.

Optional Parts for Auxiliary Heater Connection depending on Indoor Unit Model

No.	Optional Part Name	Model Name	Applicable Indoor Unit Type	Applicable Indoor Unit Model Name	Indoor Unit PCB Connector	Group
1	Relay and 3 Pin Connector Kit	PSC-5RA	All	All	N/A	All
2	Connector cable for CN17 on IDU PCB	PCC-6A	Ducted (High Static) [2nd Generation]	(H,Y,C)IDH015 to 054B22S	Pins 3 and 4 of CN17	A
			Ducted (Medium Static) [2nd Generation]	(H,Y,C)IDM006 to 054B22S		
3	Connector cable for CN8 on IDU PCB	PCC-CN8-H	Ducted (Medium Static) [1st Generation]	(H,Y)IDM006 to 048B21S	Pins 1 and 2 of CN8	B
			Ducted (Slim)	(H,Y)IDS006 to 018B21S		
			Ducted (EconoFresh)	(H,Y,C)IDM030 to 048B21E		
			Wall Mount	TIWM006 to 030B22S		
			2-Way Cassette	(H,Y,C)IC2018, 024B21S		
			4-Way Cassette Mini	(H,Y,C)ICM008 to 018B21S		
			4-Way Cassette	(H,Y,C)IC4008 to 048B21S		
			1-Way Cassette	(H,Y,C)IC1006 to 015B21S		
			Ceiling Suspended	(H,Y,C)ICS015 to 036B21S		
4	Connector cable for CN1925 on IDU PCB	PCC-CN1925-H	Ducted (High Static) [1st Generation]	(H,Y)IDH018 to 096B21S	Pins 3 and 4 of CN1925	C
			Floor Exposed	(H,Y,C)IFC006 to 015B21S		
			Floor Concealed	(H,Y,C)IFE006 to 015B21S		
			DX-Kit for UPG VAH	EXV-018 to 060E		

NOTE:
Although the PCB models are the same, the actual PCB hardware are different.

2.3 Setting for Baseboard Heater

Baseboard heater setting is disabled by default.
Refer to “Function Selection by Wired Controller” section for details.

List of Function Selection by Wired Controller for Auxiliary Heater

No.	Applicable Indoor Unit Type	Applicable Indoor Unit Model Name	Function Selection Item						
			q1 *3	q2 *3 *4	q3 *3	q4 *3	q5 *3	q6 *3 *6	q7 *3
			Auxiliary Heater Setting	Auxiliary Heater ON Compensation	Auxiliary Heater OFF Compensation	Ambient Temperature Restriction Setpoint	Ambient Temperature Restriction Setpoint Compensation	Switching type of Auxiliary Heater	Emergency Heater Control ON/OFF
1	Ducted (High Static) [2nd Generation]	(H,Y,C)IDH015 to 054B22S	00: Not Available 01: Available	-3°F (-1.5°C) -3°F (-2.0°C) *5 -4°F (-2.5°C) -5°F (-3.0°C) -6°F (-3.5°C) -7°F (-4.0°C) -8°F (-4.5°C) -9°F (-5.0°C) -1°F (-0.5°C) -2°F (-1.0°C)	0°F (0°C) 1°F (0.5°C)	-4°F (-20°C) 2°F (-17°C) 8°F (-13°C) 14°F (-10°C) 20°F (-7°C) 26°F (-3°C) 32°F (0°C) -13°F (-25°C) -8°F (-22°C)	4°F (2.5°C) 5°F (3.0°C) 6°F (3.5°C) 1°F (0.5°C) 2°F (1.0°C) 3°F (1.5°C) 3°F (2.0°C)*5	00: Duct Heater 01: Baseboard Heater	00: ON 01: OFF
2	Ducted (Medium Static) [2nd Generation]	(H,Y,C)IDM006 to 054B22S							
3	Ducted (High Static) [1st Generation]	(H,Y)IDH018 to 096B21S							
4	Wall Mount	TIWM006 to 030B22S						00: Not Available 01: Baseboard Heater	
5	2-Way Cassette	(H,Y,C)IC2018, 024B21S							
6	4-Way Cassette Mini	(H,Y,C)ICM008 to 018B21S							
7	4-Way Cassette	(H,Y,C)IC4008 to 048B21S							
8	1-Way Cassette	(H,Y,C)IC1006 to 015B21S							
9	Ceiling Suspended	(H,Y,C)ICS015 to 036B21S							
10	Ducted (Medium Static) [1st Generation]	(H,Y)IDM006 to 048B21S						00: Duct Heater 01: Baseboard Heater	
11	Ducted (Slim)	(H,Y)IDS006 to 018B21S							
12	Ducted (EconoFresh)	(H,Y,C)IDM030 to 048B21E							
13	Floor Exposed	(H,Y,C)IFC006 to 015B21S						00: Not Available 01: Baseboard Heater	
14	Floor Concealed	(H,Y,C)IFE006 to 015B21S							
15	DX-Kit for UPG VAH	EXV-018 to 060E							

NOTES:
1. Setting Condition with Underlined Part is Factory Setting.
2. Function Selection is only available when the unit is not operating.
3. Function Selection q1 must be set first to use the Function Selection q2, q3, q4, q5, q6, q7.
4. This offset is used during normal heater operation, ambient temperature restriction with heater only, and priority cooling with heater.
5. Not displayed when fahrenheit (°F) is selected to display.
6. Function Selection q6 can not be used in the wired controller group consisting of indoor units connected to mixture of different auxiliary heater types.
7. Refer to the Service Manual for each applicable unit for details.

⚠WARNING

- DO NOT change Function Selection q6 to “01” when duct heater is connected.
  Otherwise, fire may result.

2.4 Verification of Auxiliary Heater Operation

After all installation is complete, verify that the auxiliary heater operates properly.

2.5 Emergency Heat Control

Emergency Heat Control setting is enabled by default.

If the setting is required to change, refer to “Function Selection by Wired Controller” section for details.

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