

Backup Heater (MHC-400FE, MHC-600FE)

DB68-08465A-00



Shut off power to the outdoor unit before wiring the Backup Heater.

⚠ WARNING

- Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout/tagout procedures to ensure the power cannot be unintentionally energized. Failure to disconnect power before servicing could result in death or serious injury.

⚠ WARNING

- The back up heater must be protected by safety devices as required by the applicable legislation. Before installing the optional back up heater, always check if the connected circuit breaker and power cable thickness are according to the specifications and applicable legislation. If not installed according to specifications, safety problems may occur.

Connection of the backup heater supply

Model	Capacity [kW]	Power Supply				Current [A]	
		Φ	Wires	Hz	Voltage	MCA	MFA
MHC-400FE	4kW	1	2	50	220~240	31.4	40.0
MHC-600FE	6kW					40.1	50.2

⚠ CAUTION

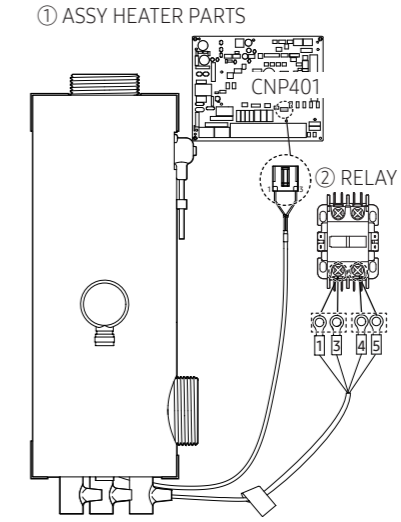
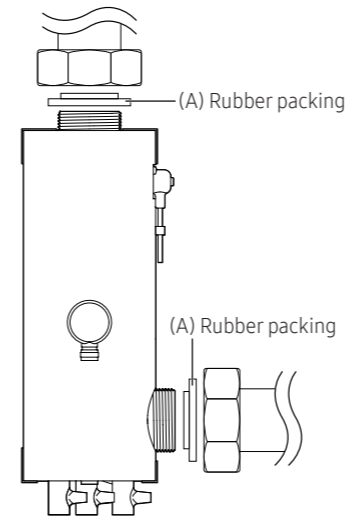
- Before installing the backup heater, drain the water using the DRAIN port at the bottom of the pipe.

Components

Product Name	Shape	Q'ty	
		MHC-400FE	MHC-600FE
① ASSY HEATER PARTS		1 EA	1 EA
② RELAY		-	1 EA
③ RELAY-ELCB		-	1 EA
④ ASSY CONNECTOR WIRE-POWER (SKY BLU)		-	1 EA
⑤ ASSY CONNECTOR WIRE-POWER (WHITE)		-	1 EA
⑥ ASSY CONNECTOR WIRE-POWER (SKY BLU+BROWN, L=300mm)		-	1 EA
⑦ ASSY CONNECTOR WIRE-POWER (SKY BLU+BROWN, L=500mm)		-	1 EA
⑧ CABLE TIE		4 EA	4 EA
⑨ SCREW-TAPPING		-	2 EA
⑩ SCREW		-	2 EA
⑪ INSTALLATION MANUAL		1 EA	1 EA
⑫ LABEL INSTRUCTION		1 EA	1 EA

Installation (MHC-400FE)

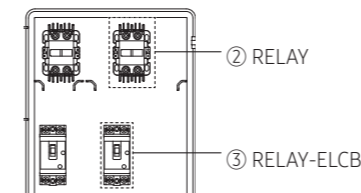
- Remove the installed backup heater from the Hydro Unit.
 - Reuse Rubber packings (A) when you reconnect ① ASSY HEATER PARTS
- Connect ① ASSY HEATER PARTS to the pipe.
- Connect the wires of the backup heater to the PBA connector (CNP401) and ② RELAY terminals, as shown in the figure below.



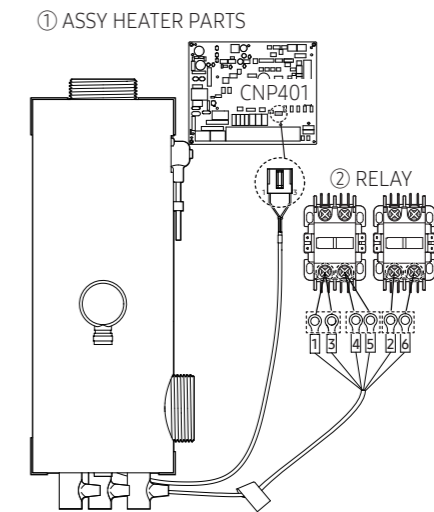
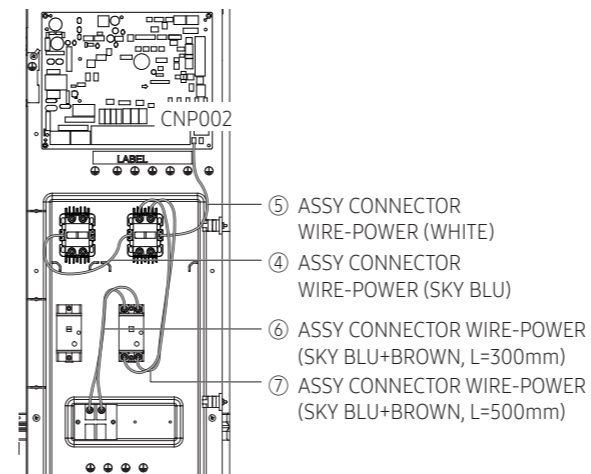
- Tidy up the wires of ① ASSY HEATER PARTS using ⑧ cable ties so that they look the same as before.
- Finally, please attach the enclosed ⑫ label instruction to the bottom of the label rating of Hydro unit.

Installation (MHC-600FE)

- Remove the installed ASSY HEATER PARTS from the Hydro Unit using a tool.
 - Reuse Rubber packings (A) when you reconnect ① ASSY HEATER PARTS. (Refer to the figure in "Installation (MHC-400FE)", step 1.)
- Connect ① ASSY HEATER PARTS to the pipe.
- Additionally install ② RELAY and ③ RELAY-ELCB included with the unit in the position (dotted box) using ⑨ SCREW-TAPPINGS and ⑩ SCREWS, as shown in the figure below.



- Connect ④, ⑤, ⑥, ⑦ ASSY CONNECTOR WIRE-POWERS to ② RELAY and ③ RELAY-ELCB installed additionally, as shown in the figure below.



- Tidy up the wires of ① ASSY HEATER PARTS using ⑧ cable ties so that they look the same as before.
- Finally, please attach the enclosed ⑫ label instruction to the bottom of the label rating of Hydro unit.

Energy metering function of the Wired Remote Controller

1. To accurately indicate energy consumption, the capacity of the backup heater must be set using FSV #3081.
[Default setting : 2(kW) / MHC-400FE : 4(kW) / MHC-600FE : 6(kW)]
2. If you want to use the various additional functions for your Wired Remote Controller, press the \wedge and \vee buttons at the same time for more than 3 seconds.
 - The password entry screen appears.
3. Enter the password, 0202, and then press the **OK** button.
 - The settings screen for installation/service mode appears.
4. See the list of additional functions for the Wired Remote Controller on the next page, and then select the desired menu.
 - Once you have entered the setting screen, the current setting appears.
 - Refer to the chart for data setting.
 - Using the \wedge/\vee buttons, change the settings and press the \rangle button to move to the next setting.
 - Press the **OK** button to save the new setting.
 - Press the \hookrightarrow button to move to the Home screen.

NOTE

- While setting the data, you can press the \hookrightarrow button to move to the Home screen after checking the saving status at a pop-up screen.

FSV Setting Table

Main Menu & Code	Menu	Function				Sub Code	MODEL CODE : AE200(260)RNW***			MODEL CODE : MIM-E03CN		
							Setting Standard			Setting Standard		
		Item	Step	Unit	Default		Min.	Max.	Default	Min.	Max.	
Domestic Hot Water Tank Code 30**	Addition Function	Energy metering	Backup Heater 1step capacity	1	kW	3081	2	1	6	2	1	6