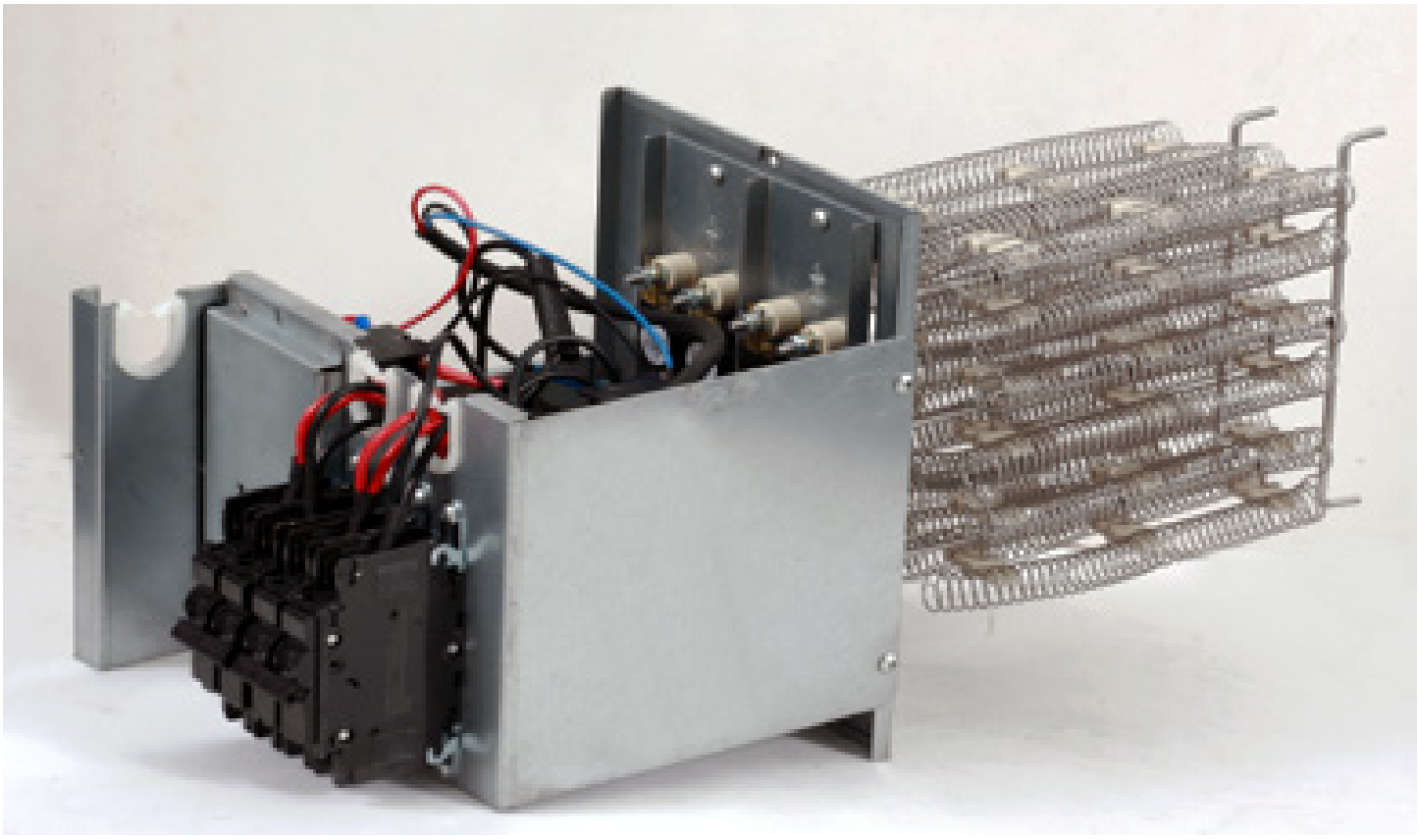
Installation Manual

EVOX Gen^2 Auxiliary Heater



IMPORTANT NOTE:

Read this manual carefully before installing or operating your new air conditioning unit.
Make sure to save this manual for future reference.

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

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Read This Manual

Inside, you'll find many helpful hints on how to use and maintain your auxiliary heater properly. Just a little preventive care on your part can save you a great deal of time and money over the life of your auxiliary heater. These instructions may not cover every possible condition of use, so common sense and attention to safety are required when installing, operating, and maintaining this product.

Safety Considerations

Intended Use

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance. Please check the packaging and appliance on arrival to make sure everything is intact to ensure safe operation. If you find any damage, please contact the retailer or dealer.

Please note that modifications or alterations to the appliance are not allowed for your safety. Unintended use may cause hazards and loss of warranty claims.

Explanation Of Symbols

⚠ WARNING

The signal word indicates a hazard with a medium level of risk, which, if not avoided, may result in death or serious injury.

⚠ CAUTION

The signal word indicates a hazard with a low degree of risk, which, if not avoided, may result in minor or moderate injury.

NOTE

A property-damage-only hazard, meaning no personal injury is possible.

Read these operating instructions carefully and attentively before using/commissioning the unit and keeping it in the immediate vicinity of the installation site or unit for later use!

⚠ WARNING

ELECTRICAL WARNINGS



- The product must be properly grounded at the time of installation, or electric shock may occur.
- For all electrical work, follow all local and national wiring standards, regulations, and the Installation Manual. Connect cables tightly and clamp them securely to prevent external forces from damaging the terminal. Improper electrical connections can overheat, cause fire, and may also cause shock. All electrical connections must be made according to the Electrical Connection Diagram located on the panels of the indoor and outdoor units.
- All wiring must be properly arranged to ensure that the control board cover can close properly. If the control board cover is not closed properly, it can lead to corrosion and cause the connection points on the terminal to heat up, catch fire, or cause electrical shock.
- If connecting power to fixed wiring, an all-pole disconnection device, which must be incorporated in the fixed wiring in accordance with the wiring rules.

⚠ WARNING

WARNINGS FOR PRODUCT INSTALLATION

- Installation must be performed by an authorized dealer or specialist. Defective installation can cause water leakage, electrical shock, or fire.
- Installation must be performed according to the installation instructions. Improper installation can cause water leakage, electrical shock, or fire. (In North America, installation must be performed in accordance with the requirements of NEC and CEC by authorized personnel only.)
- Contact an authorized service provider for repair or maintenance of this unit. This appliance shall be installed in accordance with national wiring regulations.
- Only use the included accessories, parts, and specified parts for installation. Using non-standard parts can cause water leakage, electrical shock, fire, and cause the unit to fail.
- For units that have an auxiliary electric heater, do not install the unit within 1 meter (3 feet) of any combustible materials.
- **DO NOT** install the unit in a location that may be exposed to combustible gas leaks. If combustible gas accumulates around the unit, it may cause a fire.
- Do not turn on the power until all work has been completed.
- When moving or relocating the auxiliary heater, consult experienced service technicians for disconnection and reinstallation of the unit. How to install the appliance on its support. Please read the information for details in the indoor unit.

⚠ WARNING

WARNINGS FOR CLEANING AND MAINTENANCE

Turn off the device and disconnect the power before cleaning. Failure to do so can cause electrical shock.

NOTE

The machine you purchased may be one of the types in the table below.

The indoor and outdoor units are designed to be used together. Please check the machine you purchased. You can also find the model of the machine you purchased on the packaging box of the machine.

Model	Indoor Unit
18K (208/230V)	MACHU-H18B-2A MAUHE-H18B-2A
24K (208/230V)	MACHU-H24B-2A MAUHE-H24B-2A
30K (208/230V)	MACHU-H30B-2A MAUHE-H30B-2A
36K (208/230V)	MACHU-H36B-2A MASHS-H36B-2A MAUHE-H36B-2A
48K (208/230V)	MASHS-H48B-2A MAUHE-H48B-2A
60K (208/230V)	MASHS-H60B-2A MAUHE-H60B-2A

Installation

(Only for Heat Function Models)

NOTE

Installation must be performed by a licensed contractor. Please take necessary precautions when performing the installation operation.

Preparations For Installation

Before installation, please confirm that the electric auxiliary heat module and supplied accessories are complete and free of any damage. Do not attempt to install if damage is present.

Table 1: Electric Auxilary Heat Accessories

Name	Quantity	
Manual	1	
Foam gasket	2	
Screws	7	
Silicone breaker cover	1	
Electric auxiliary heating wiring diagram	1	
Circuit breaker label	1	

For installations requiring supplemental heating, the optional Electric Auxiliary Heat Module is available in sizes from 3kW to 25kW to accommodate the appropriate size given the specific heat load and electrical requirements of each installation. Please refer to the table below for the selection of available sizes of each outdoor unit model, being sure to avoid improper matching.

Table 2: Model Size Selection Chart

Outdoor Unit Model (Btu/h)	3kW	5kW	8kW	10kW	15kW	20kW	25kW
18K	Y	Y	Y	Y	-	-	-
24K	-	Y	Y	Y	Y	-	-
30K	-	Y	Y	Y	Y	-	-
36K	-	Y	Y	Y	Y	Y	-
48K	-	-	Y	Y	Y	Y	-
60K	-	-	-	Y	Y	Y	Y

Electric Auxiliary Heat Module installation and Wiring Operation

1. Open the upper cover.

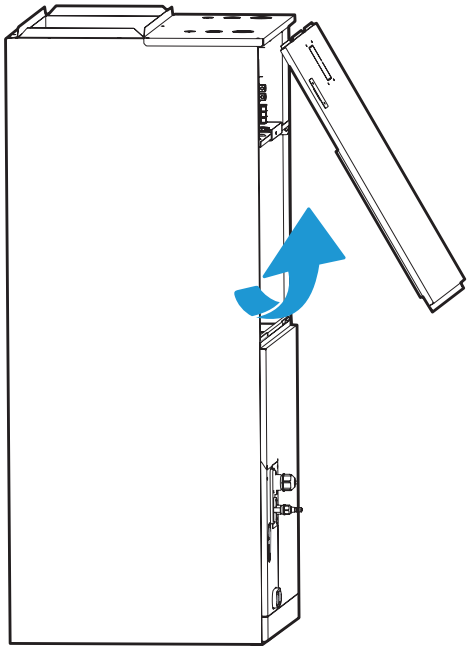


Fig. 1: Remove The Upper Cover

2. Use tools to remove the knock-out holes of the upper cover.

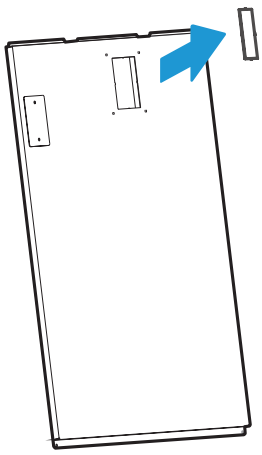


Fig. 2: Remove The Upper Cove Knockout

3. Remove the wiring terminal block and grounding wires (if present) from the cover. Do not dismantle the connection at the other end of these wires.

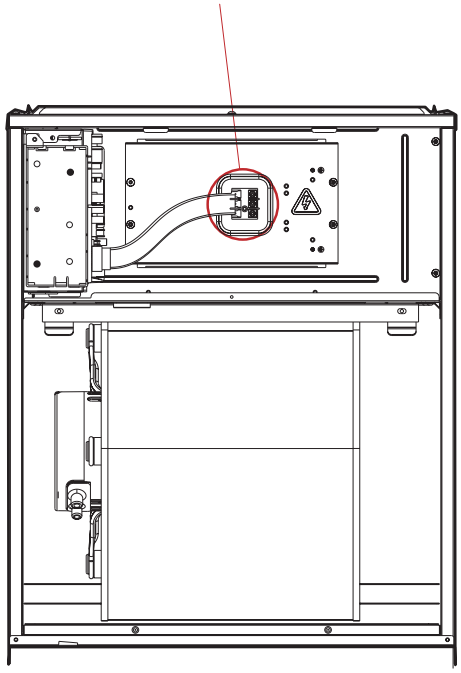


Fig. 3: Remove Wiring Terminal Block

4. Dismantle the electric auxiliary heater cover.

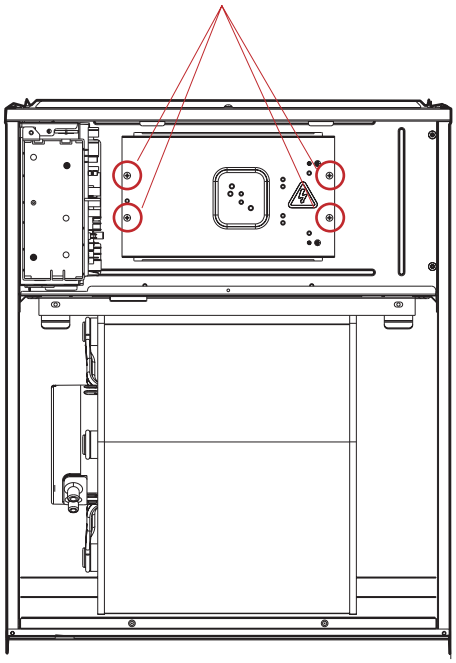


Fig. 4: Remove EAH Cover

5. Install the electric auxiliary heater assembly in the front and note that the support assembly must lock into the support holes in the back of the cabinet.

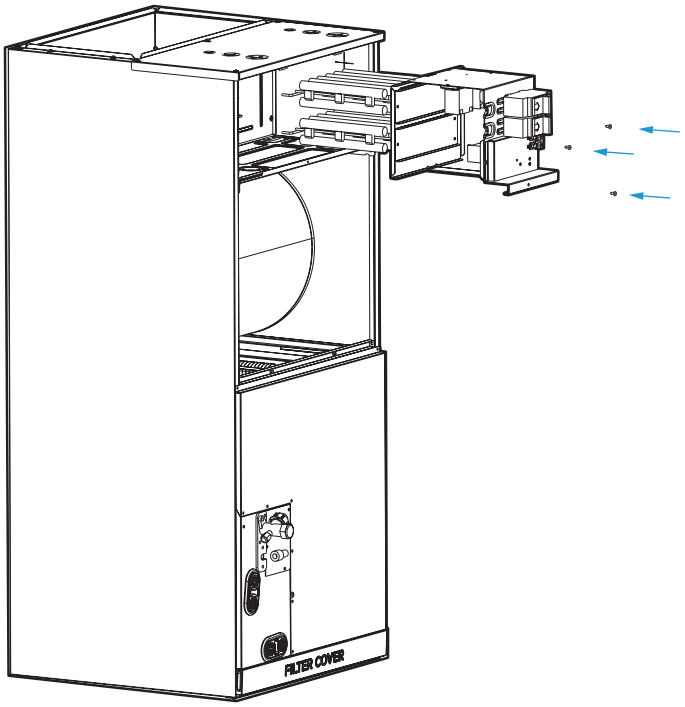


Fig. 5: Install the EAH Assembly

6. Attach the wiring terminal block and grounding wires (if available) that were removed from the indoor unit to the corresponding positions on the electric auxiliary heating cover.

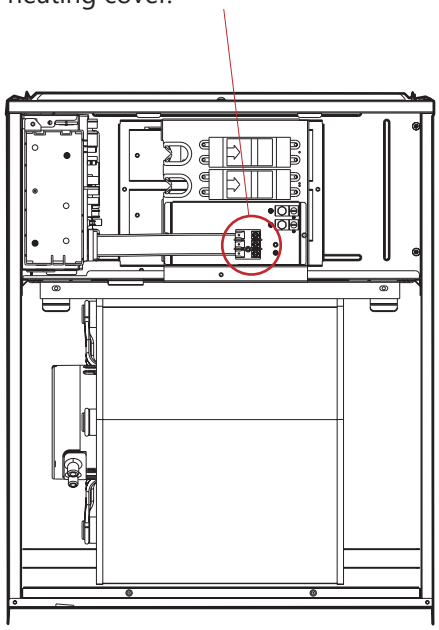


Fig. 6: Install The Wiring Termnal Block

7. Wire according to the wiring nameplate. Apply the wiring diagram to the inside cover after the wiring is completed for future reference and maintenance.

8. Install the upper cover and the silicone breaker cover.

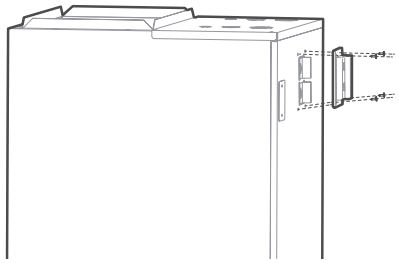


Fig. 7: Install The Breaker Cover

NOTE

Electric auxiliary heating wiring diagram packed with the accessories.

If the branch circuit wire length exceeds 100ft, consult the local code to determine the maximum wire length.

Use a 2% voltage drop.

Confirmation Of Indoor Unit

After the electric heating wiring is connected, please confirm before powering on:

- Check all wiring and ensure secure connection of all wiring.
- Ensure that the wire size is properly selected by NEC or local codes.

Table 3: Relay And Breaker Specifications

Heat Size	Number of circuit breakers	Number of Relays	Number of Power Cord Groups	Number of power cord grounding screws
3kW	1	1	2	2
5kW	1	1	2	2
8kW	1	2	2	2
10kW	1	2	2	2
15kW	2	3	3	3
20kW	2	4	3	3
25kW	3	5	4	4

Use copper wire only to connect the unit. If other than uncoated (non-plated) 75°C copper wire (solid wire for 10 AWG and smaller, stranded wire for larger than 10 AWG) is used, consult applicable tables of the National Electric Code (ANSI/NFPA 70).

NOTE

The specification may be different between different models; please refer to the indoor unit's nameplate.

Table 4: Electric Heat Kit Data

Heater Part No.	Heater KW	Internal Circuit Protection	Circuit 1 208/230 V			Circuit 2			Circuit 2		
			Heater Amps	MCA (1)	MOCP (2)	Heater Amps	MCA (1)	MOCP (2)	Heater Amps	MCA (1)	MOCP (2)
EAH-03E(UL)	3	Ckt Bkr	10.8/12	14/16	15/20	/	/	/	/	/	/
EAH-05E(UL)	5		18/20	23/27	25/30	/	/	/	/	/	/
EAH-08E(UL)	8		28.8/32	37/42	40/45	/	/	/	/	/	/
EAH-10E(UL)	10		36.1/39.5	46/53	50/60	/	/	/	/	/	/
EAH-15E(UL)	15		18/20	23/27	25/30	36/40	46/53	50/60	/	/	/
EAH-20E(UL)	20		36/40	46/53	50/60	36/40	46/53	50/60	/	/	/
EAH-25E(UL)	25		18/20	23/27	25/30	36/40	46/53	50/60	36/40	46/53	50/60

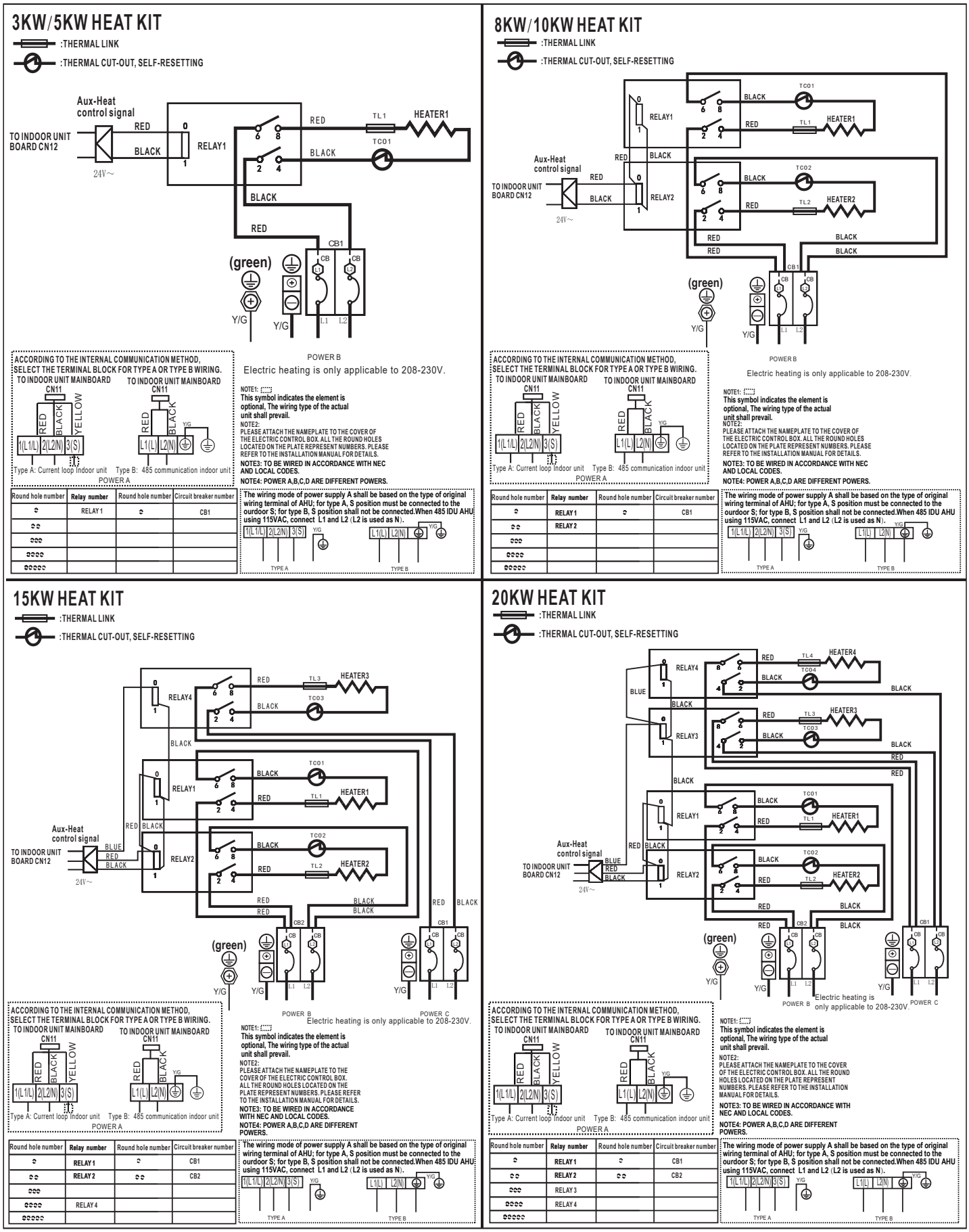
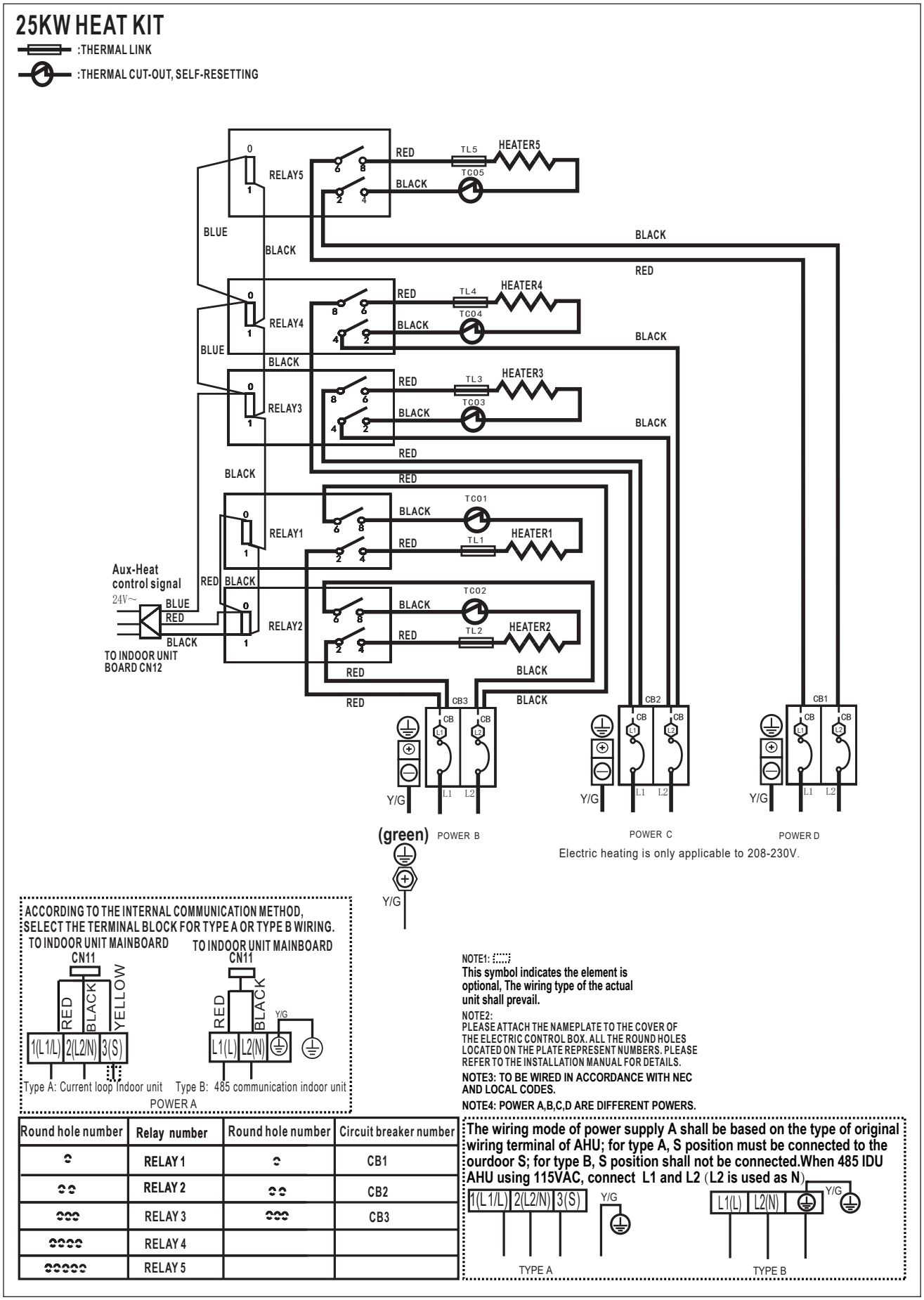


Fig. 8: 3KW-20KW Electric Auxiliary Heating Wiring Diagram



Round hole number	Relay number	Round hole number	Circuit breaker number
○	RELAY 1	○	CB1
○○	RELAY 2	○○	CB2
○○○	RELAY 3	○○○	CB3
○○○○	RELAY 4		
○○○○○	RELAY 5		

Fig. 9: 25KW Electric Auxiliary Heating Wiring Diagram

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Important!
Product Warranty Information

The Warranty Registration below is a requirement to print a warranty certificate. You're not mandated to register your products to enjoy the Midea Standard Warranty; however, registration is highly recommended. Registering your warranty within 60 days ensures easy access to support and service when needed.

The design and specifications may change without prior notice in order to enhance the product. For detailed information, please consult your sales agency or the manufacturer. Any updates to the manual will be posted on the service website, so be sure to check for the latest version.

United States

https://www.mideacomfort.us/registration.html

Canada

https://www.mideacomfortna.ca/registration.html

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