WIRING SUPPLEMENT FOR 220/240V

After heater has been properly mounted to the building structure and appropriate branch circuit wiring has been routed to the heater location in accordance with the National Electrical Code and local codes, the heater is now ready for the heater to be connected to the branch circuit.

WARNING

Risk of Electric Shock or Fire

Make sure electric power is disconnected at main electrical panel before attempting to connect heater to branch circuit. Verify branch circuit voltage is same as noted on heater nameplate. Connecting heater to a voltage greater than the heater nameplate rating could damage the heater and cause a fire.

WARNING

This heater should be installed by qualified persons only and in accordance with the National Electric Code (Canadian Electrical Code in Canada) and all applicable local codes. Supply wiring must be copper and suitable for at least 75° C.
EWH5500- minimum 10 gauge SJO or SJTO copper type wiring required
EWH9600- minimum 6 gauge SJO or SJTO copper type wiring required

Heater is provided with a 28.3mm hole into wiring compartment for routing of branch circuit conductors. Appropriate conduit and fittings must be provided for correct and safe installation.

1. Remove the field wiring cover located on bottom of heater by removing two screws. See Figure 8 for reference.
2. Bring branch circuit conductors to heater and into the heater box. Install appropriate cable clamp on the heater as shown in Figure 9.
3. Following the wiring diagrams in Figure 10 connect the supply wiring to the power block inside the wiring compartment.
   - Green pigtail - connect to earth ground
   - Black pigtail - connect to branch circuit L (1)
   - White pigtail - connect to branch circuit L (2)
4. Replace wiring box cover with two screws previously removed.
5. Adjust louvers to desired position; louvers are designed so that they cannot be completely closed. Do not attempt to defeat this safety feature.

Figure 9: Installing cable fitting to heater

Install appropriate cable clamp or fitting for supply being used.

Feed cable into fitting and clamp as shown leaving approximately 2" of cable inside heater for wire connections

Figure 8: Wiring cover located at bottom of heater

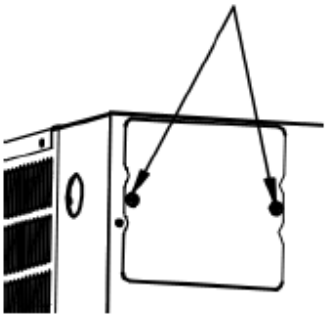
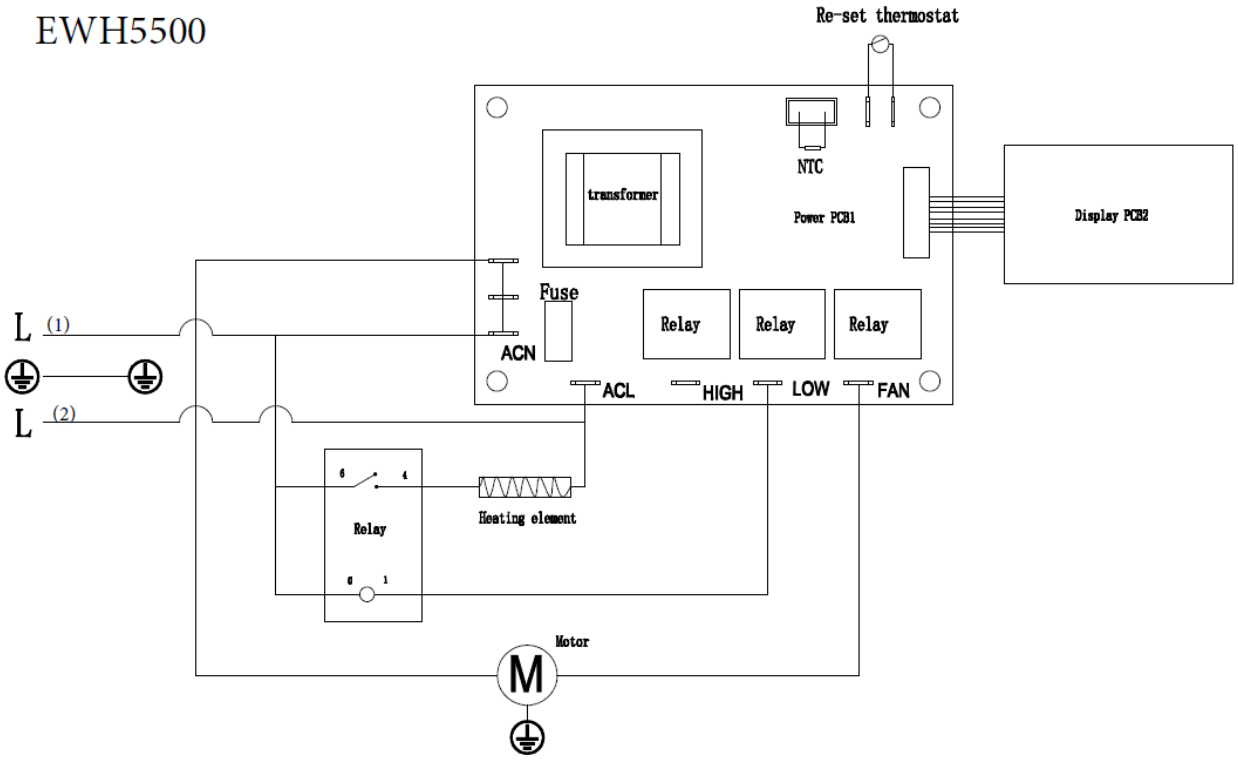


Figure 10 Removing wiring cover exposes wires When wiring with 2 conductor cable with ground, the white wire must be marked black.

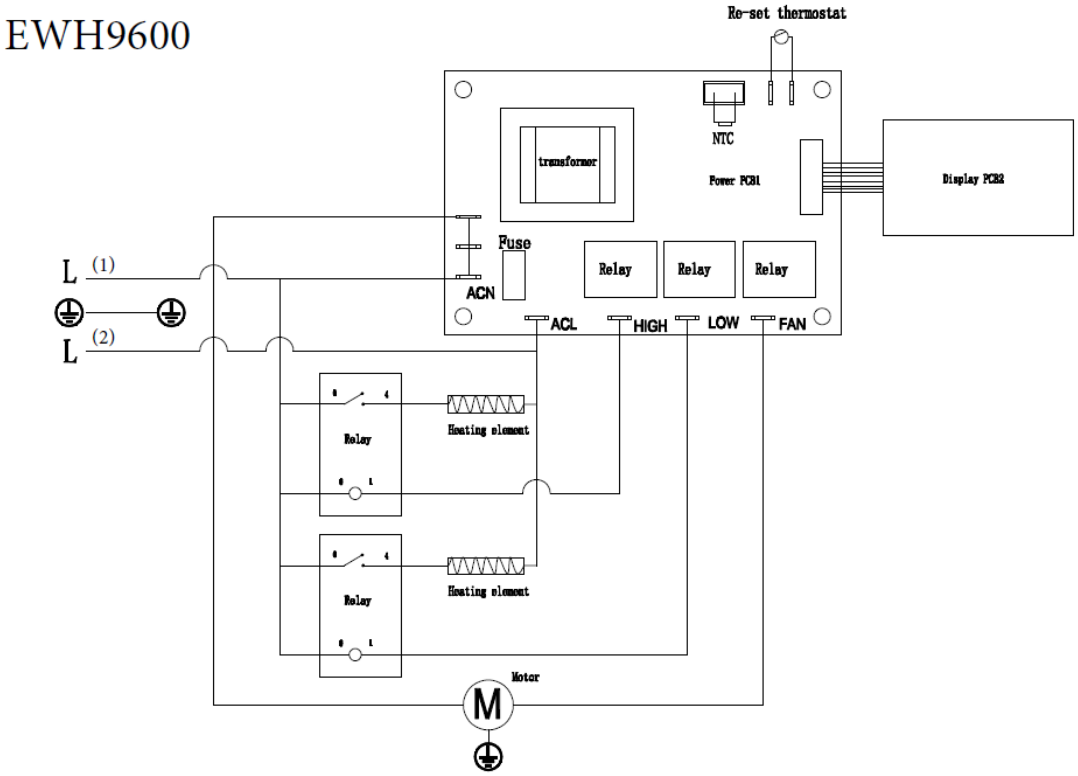
WIRING SUPPLEMENT FOR 220/240V

Wiring diagram for 5KW and 10KW

EWH5500



EWH9600



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