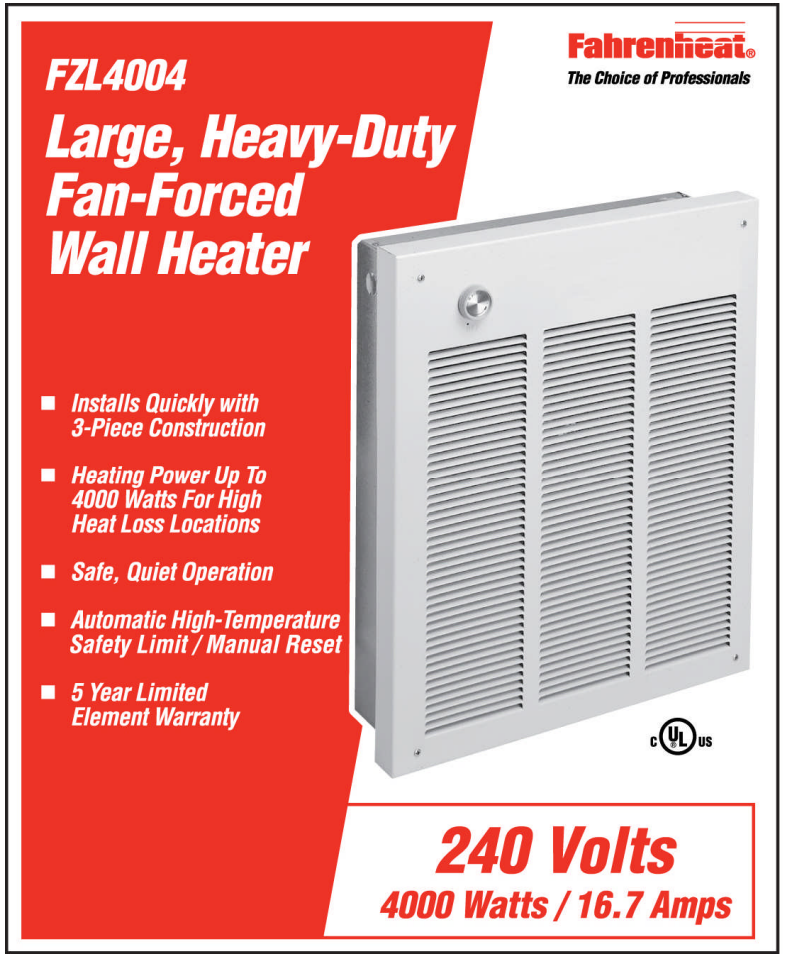
Fahrenheat FZL Large Wall Heater

- The following pictorial is a step by step installation guide. It will show the installation in a new construction situation, but the basic steps are the same for existing construction. Read the owners manual for the installation that matches your specific needs



Example

WARNING

- **Before installing this electric heater read and understand the instruction manual.**
- For Wall Mounting Only
- The following minimum clearances must be maintained:
  - Heater to floor – 8 in. (203mm)
  - Heater to adjacent wall – 8 in. (203mm)
  - Heater to ceiling – 36 in. (915mm)

Installation Instructions

- Verify the Nameplate rated VOLTAGE & AMPERAGE prior to installation.
- Size the wire and breaker for the amp load of the heater
- If not familiar with electrical circuits, contact a licensed electrician.

Step 1

Note: For new construction installation, the edge of the back box must be installed flush with the finished wall surface.

- Secure the back box to the wall studs using wood screws or nails as shown.





Step 2

- Remove the knockout (KO) in the top of the back box and install a cable clamp.



Step 3

- Insert power supply cable through the cable clamp (not provided), allow at least 6” of leads to extend into the box.
- All wiring must be in accordance with National and local Electrical Codes. *Refer to table below for correct wire size.



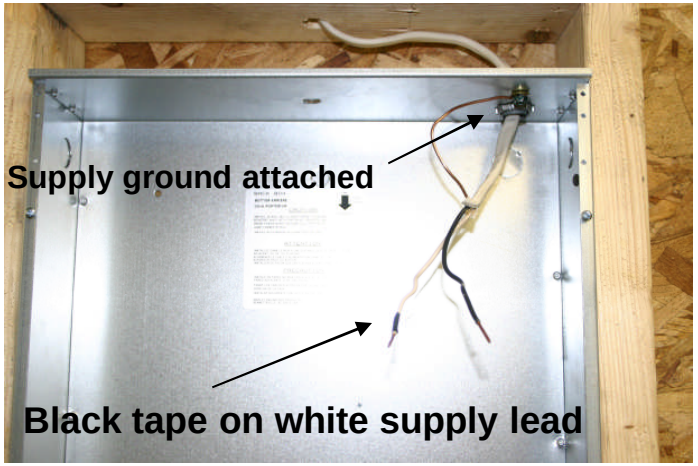
MODEL #	WATTS	VOLTS	AMPS	WIRE SIZE
FZL3004B	3000	240	12.5	12 AWG
FZL4004B	4000	240	16.7	10 AWG

Step 4

- **Ground the back box by connecting the supply ground wire to the green ground screw located in the inside top of the back box.**

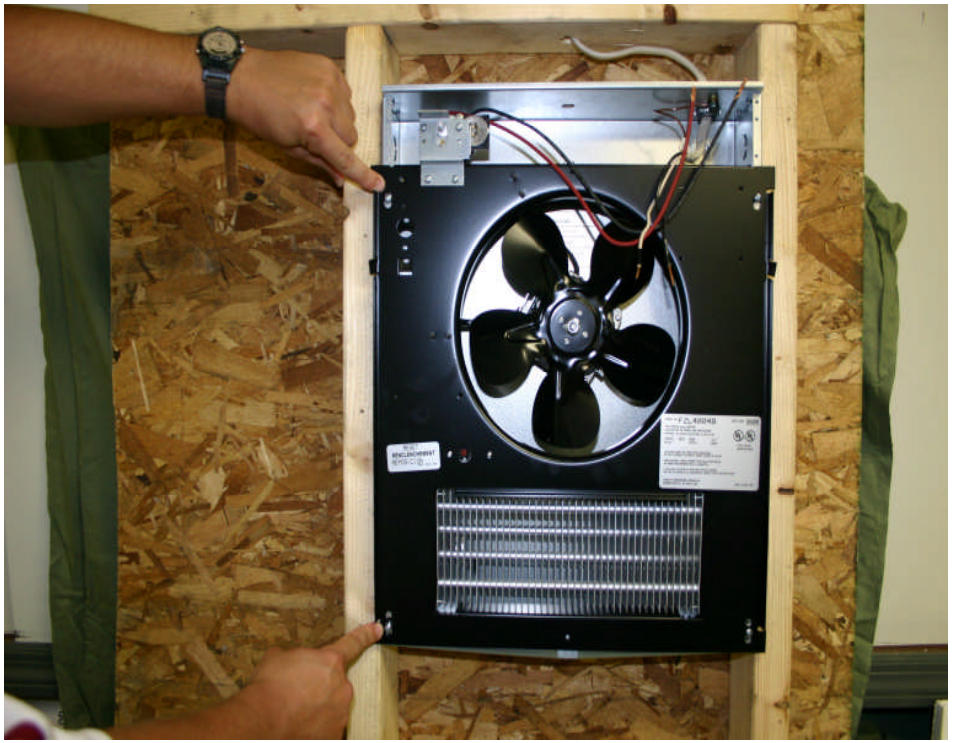
Note: If you are using a two conductor with a ground (one black and one white wire) place a piece of black electrical tape around the end of the insulation of the white wire. This will show that this wire is hot and not a neutral.





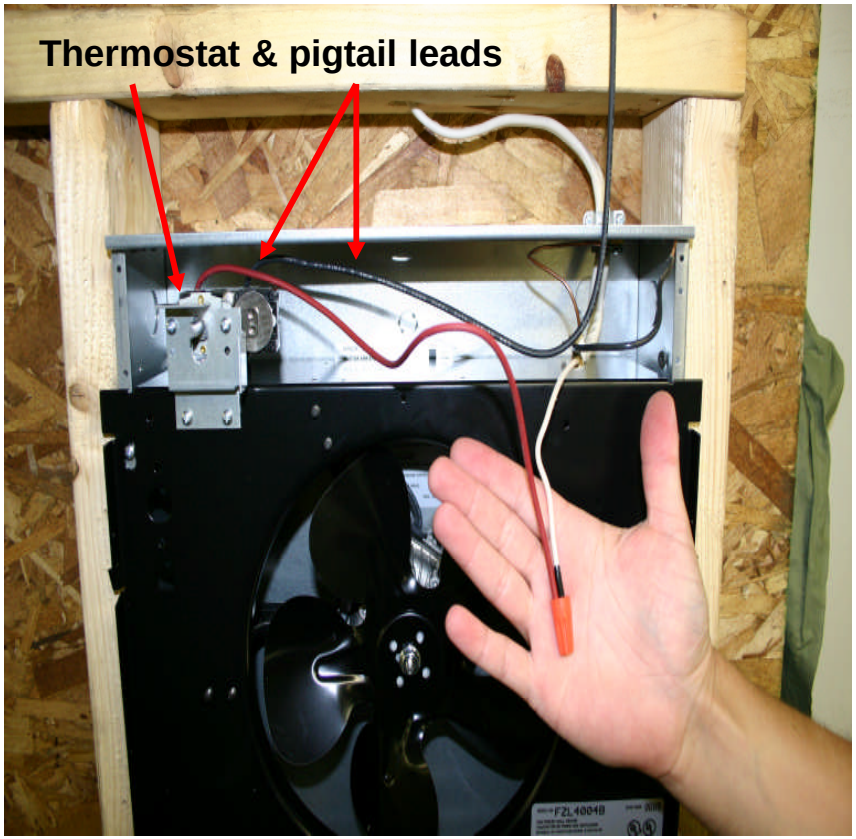
Step 5

- Locate the 4 screws on the front of the back box and loosen as necessary.
- The heater assembly will slide over these 4 screws into key hole slots.
- Tighten 4 screws to securely fasten the heater assembly to the back box.
- Note: Do not install the heater into back box until the finished wall is complete.



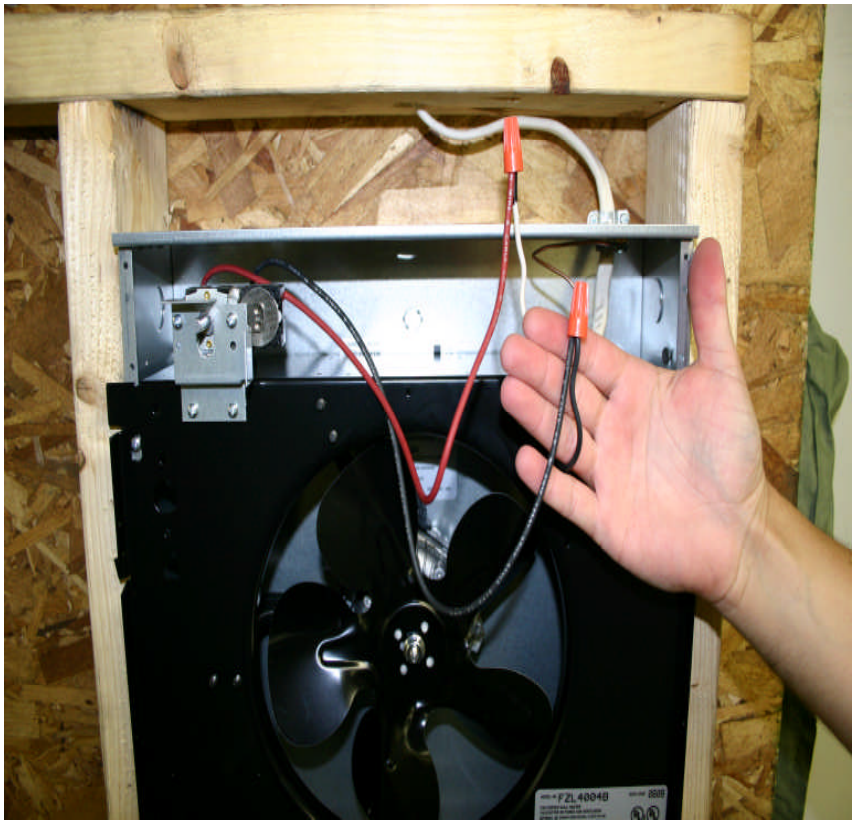
Step 6

- Locate the two pigtail leads from the thermostat in the upper left hand corner. There will be one black wire and one red wire stripped on one end.
- Attach the red wire from the thermostat to the white supply wire (with the black tape) with wire nut provided.



Step 7

- Attach the black wire from the thermostat to the black supply wire with the wire nut provided.



Step 8

- Once all connections have been made and checked, push the wires back into the back box as shown.



Step 9

- Install the grille with the 4 painted screws provided.
- Attach the thermostat knob to the shaft of the thermostat by aligning the flat part of the shaft with the corresponding flat of the knob and push gently into place.



Operation Check

- Turn the thermostat knob to the full counterclockwise position. (off).
- Turn the power on at the main disconnect.
- Let the unit sit for 5 minutes to make sure nothing is operating.
- Turn the knob to the full clockwise position.
- In a matter of a few seconds you will feel heat coming from the unit. The fan will delay on approximately 45 seconds.
- Once the unit has been energized approximately 45 seconds the fan will start and blow heat into the room. (Note: you may notice a slight amount of smoke from the unit at this point. It is normal and comes from a light coating of oil on the elements.)
- Allow the unit to run for a few minutes and then turn the thermostat down, slowly (counterclockwise) until you hear a click. Stop turning the knob at this point and allow the unit to operate.
- The heater should run a minute or two and then shut off.
- If all the above worked properly you have completed the installation of the heater.

Heater Operation

- The built in thermostat in this heater is known as a comfort thermostat. It has a range of 45 – 85 degrees F.
- To set the thermostat, turn the knob to its full clockwise position (on) and allow the unit to operate until the room reaches a comfortable temperature.
- Turn the knob counterclockwise, slowly until you hear (or feel) a click.
- Stop at that position and allow the unit to run. It will cycle on and off as needed to maintain that temperature in the room.