

OWNER'S GUIDE

T Series

Electric Baseboard

SENSIBLE, QUIET HEAT STARTS HERE



Dimplex®

1-800-668-6663
www.dimplex.com
Cambridge ON, Canada



IMPORTANT INSTRUCTIONS



When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

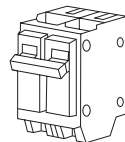
1. Read all instructions before installing or using this heater.
2. A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable liquids are used or stored.
3. This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains away from heater.
4. To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, like a bed, where openings may become blocked.
5. Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.
6. Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
7. This heater must be installed in a fixed, permanent location.
8. **CAUTION – High Temperature.** Keep electrical cords, drapes, and other furnishings away from heater.
9. Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
10. This connection box is approved for interconnection of baseboard heaters and components that are on the same heating branch circuit.

WARNING: Make sure power to the heater is turned off at the main disconnect panel whenever doing any work on a heater. Serious injury or electrocution can result from electric shock. Connecting a heater to a voltage higher than what's listed on its rating label will destroy the heater and could start a fire. A heater will not heat properly when connected to a voltage lower than what's listed on its rating label. If you are uncomfortable working with electricity, running electrical supply wire or installing a circuit breaker, please consult a licensed electrician.

SAVE THESE INSTRUCTIONS

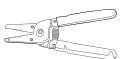
KNOW YOUR VOLTAGE!

- The most important thing you need to do is verify the electrical supply wires you're using are the same voltage as the heater.
- **CHECK YOUR BREAKER!** If you're replacing an existing heater, check the labels of the old heater and use the same voltage.
- Connecting a 240 volt heater to a 120 volt electrical supply will only give you 25 percent of the wattage!



**Double-pole
breaker
240 volt**

TOOLS REQUIRED OR YOU MAY NEED



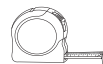
Wire Strippers



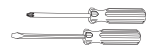
Wire Connectors



1 1/2" Wood Screws



Tape Measure



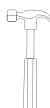
Straight and Phillips
Screwdrivers



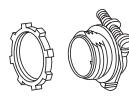
Drill and
Drill Bits



Volt
Meter



Hammer
(optional)



1/2" Cable Clamp
Connector



Stud Finder
(optional)

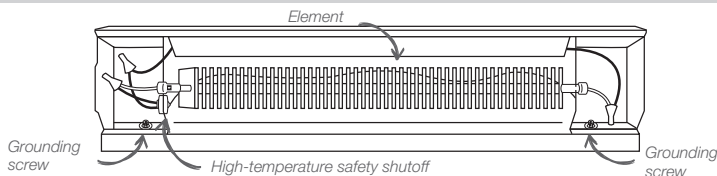
A multi-purpose tool or something to cut your existing base trim or molding (optional)

INSTALLATION INSTRUCTIONS

1. Heater and controls should be installed by a licensed electrician. Wiring procedures and connections should be in accordance with the National Electric Code (CEC & NEC) and local codes.
2. Use copper conductors only.
3. Do not install below an electrical receptacle.
4. Do not install the heater against combustible low-density fiberboard.
5. **CAUTION** – High temperature. Keep electrical cords, drapes, and other furnishings away from heater.
6. To reduce the risk of fire, do not store or use gasoline or other flammable vapors and liquids in the vicinity of the heater.
7. Maintain at least 12 inches minimum clearance from all objects above and in front of baseboard, and 6 inches minimum on both sides.

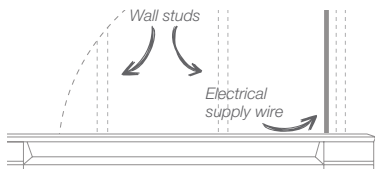
NOTE: All baseboard heaters require a thermostat (sold separately). Electric heaters must be installed on a circuit dedicated to electric heaters, they cannot share a circuit with outlets, lights, or other appliances. A double-pole thermostat has an OFF setting. A single-pole thermostat does not.

PARTS OF YOUR HEATER

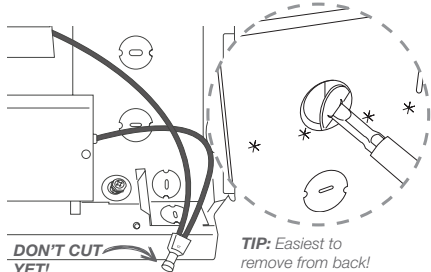


STEP 1 Locate or route electrical supply wires

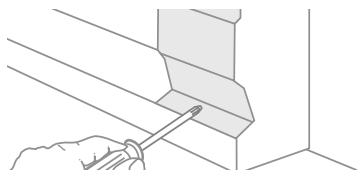
- For best results, install your baseboard heater under a window, along an outside wall, or as close as possible to an outside door.
- Install only in a horizontal position, not in a vertical position.
- Remove any floor base trim or molding so the heater will set flush against the wall. It can sit directly on any floor surface, including carpet.
- If you're wiring a **WALL** thermostat, route the electrical supply wire from the circuit breaker to the wall thermostat, and then to the heater. If you're wiring a **BUILT-IN** model or TBTK thermostat, route the electrical supply wire from the circuit breaker directly to the heater.



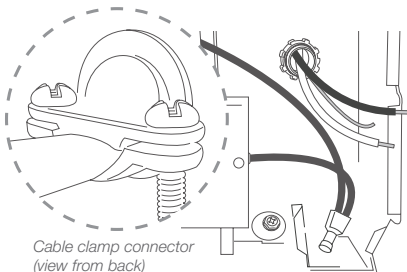
- 1A. Turn off the electrical power supply. Locate wall studs and electrical supply wires. **DON'T CUT ANY FACTORY CONNECTIONS UNTIL YOU'RE READY TO WIRE!**



- 1C. Remove one of the slotted knockouts in the wiring compartment.



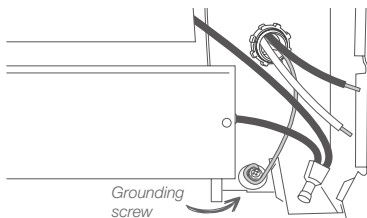
- 1B. Remove only the wiring compartment cover. Wire connections can be made on either side of the baseboard heater.



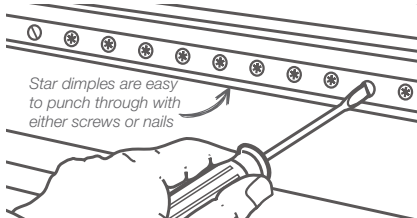
- 1D. Install a cable clamp connector (not included). Pull supply wires through the cable clamp connector leaving 6-inch wire leads.

INSTALLATION INSTRUCTIONS

STEP 2 Mount heater to wall



2A. Connect the grounding lead to the green grounding screw on the side you're wiring.



2B. Mount the heater securely to two or three wall studs.

STEP 3 Baseboard Wiring

- **KNOW YOUR VOLTAGE** and **CHECK YOUR BREAKER!**
- All baseboard heaters require three supply wires. For 240 and 208 volt baseboard wiring you will have 2 hots and 1 ground; no neutral needed.
- Cut **ONLY ONE** factory connection and **ONLY** on the side you will be wiring!

LEFT SIDE WIRING

- If you're wiring on the left side, **CUT ONLY THE ONE FACTORY CONNECTION SHOWN.**

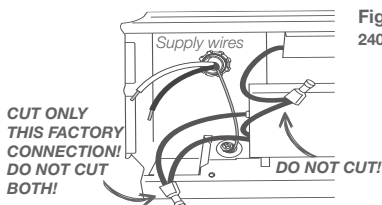


Figure 7a
240 volt baseboard

RIGHT SIDE WIRING

- If you're wiring on the right side, **CUT ONLY THE FACTORY CONNECTION ON THIS SIDE.**

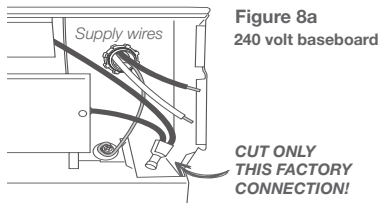


Figure 8a
240 volt baseboard

If you're wiring a **BUILT-IN** model or TBTK thermostat for your heater, go to those instructions now and follow that installation. When complete, proceed to **OPERATING INSTRUCTIONS**.

If you're wiring a **WALL** thermostat for your heater, follow the instructions below and the diagrams in Figures 7b or 8b, depending on which side you are wiring. Route your electrical supply wires from the circuit breaker to the wall thermostat, and then to the baseboard heater.

Volume of Connection Box is 43 in³ (704 cm³)

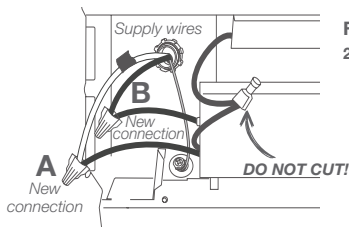


Figure 7b
240 volt baseboard

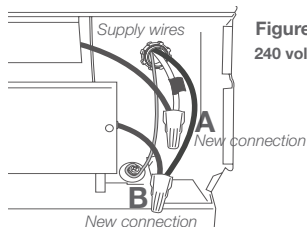


Figure 8b
240 volt baseboard

3A. Connect one supply wire to one of the heater wires with a wire connector (not included).

- For 240 and 208 volts, it doesn't matter which heater wire (Figures 7b or 8b). Wrap supply (white) wire with black tape to identify it as hot.

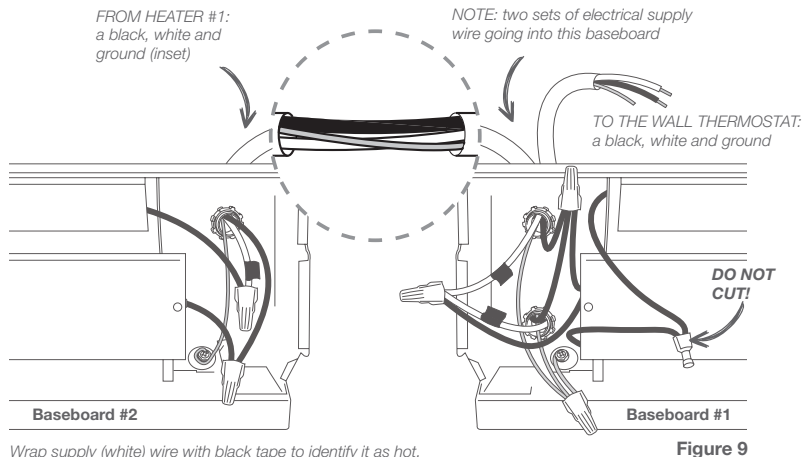
3B. Connect remaining supply wire to remaining heater wire with a wire connector (not included).

Screw the wiring compartment cover back on. Turn power back on at the main disconnect panel. Proceed to **OPERATING INSTRUCTIONS**.

INSTALLATION INSTRUCTIONS

MULTIPLE BASEBOARD HEATERS WITH ONE THERMOSTAT

Multiple baseboard heaters can be wired in parallel on the same circuit breaker (check national and local codes for safety requirements). Additional electrical supply wire and cable clamp connectors are required. The heaters must be in the same room. If you're using a TBTK thermostat, follow those instructions. The maximum amperage load you can put on one circuit breaker is limited to either 80% of the circuit breaker capacity, or the maximum amperage rating of the thermostat, whichever is lower.



- A. Two sets of electrical supply wire go through two cable clamp connectors of baseboard #1. One set goes to the thermostat and the other set goes to baseboard #2.
- B. The two supply ground wires need another short piece of copper wire to make the 3-wire connection with the ground screw in baseboard #1.
- C. For baseboard #1, connect each of the cut baseboard wires to one of the supply wires going to the thermostat, and one of the supply wires going to the other baseboard. They both must have a 3-wire connection.
- D. For baseboard #2, make the connections as shown in Figure 7b or 8b on page 4.
 - Turn power back on at the main disconnect panel.
 - Proceed to OPERATING INSTRUCTIONS.

WARRANTY

Dimplex North America warrants the T Series Baseboard and components of the enclosed product against any defect in material or workmanship for a period of one year from the date of purchase, with the exception of the elements which are warranted to be free from defect in material and workmanship for ten years. In full satisfaction of any claims under this Warranty, Dimplex North America will repair or replace without charge, in its factory or in the field as it alone may decide, any parts which in its opinion are defective.

Dimplex North America shall not be responsible for any transportation or shipping costs in relation to such repair or replacement except as specifically assumed by it. Misuse of this product or repairs by persons other than Dimplex North America's authorized personnel without Dimplex North America's written approval, will void this Warranty.

This Warranty is in lieu of all other warranties or conditions whether expressed or implied including but not limited to those of merchantability or fitness for purpose and shall constitute the sole remedy of the Purchaser and the sole liability of Dimplex North America in respect of the sale of the product, whether in the nature of breach or breach of fundamental term, or of negligence or otherwise.

Dimplex North America shall not be liable for any special, indirect or consequential damages or for any damages resulting from removal or replacement of a T Series Baseboard subject to warranty claim without Dimplex North America's authorization.

This Warranty is transferable by the original consumer purchaser of the product.

Any claims under this Warranty must be submitted in writing to the Service Manager, Dimplex North America Ltd., 1367 Industrial Rd., Cambridge, Ontario N3H 4W3, Canada.

OPERATING INSTRUCTIONS

1. Make sure all wires are properly connected and installation is complete before you turn on the heater.
2. Turn the heater to the highest setting and allow it to run for 30 minutes. Some smoking may occur as the element initially burns off residue from manufacturing.
3. If your heater shows signs of overheating, such as glowing red or repeatedly getting unusually hot and shutting off, immediately turn off the circuit breaker and review the "Know Your Voltage" section or call us.
4. Do not tamper with the high temperature safety shutoff.

How to operate your heater

The room temperature is controlled by a thermostat located either on the wall, or on the heater. Once installation is complete and power has been restored, follow the steps below for your thermostat.

If you have a mechanical wall or built-in thermostat:

1. Turn the thermostat knob all the way to the right.
2. When the room reaches a comfortable temperature, turn the knob to the left, just until it clicks and the heater turns off. The heater will automatically keep the room at this setting.
3. To reduce the room temperature, turn the knob to the left. To increase the room temperature, turn the knob to the right.

If you have an electronic thermostat, follow the instructions in the programming and operating guide included with your thermostat.

PLEASE NOTE: On initial start-up, the heater may cause an odor due to the manufacturing process. It typically goes away within several hours.

High-temperature safety shutoff

All baseboard heaters come with a built-in high-temperature safety shutoff that stops electricity flowing to the heater if it gets too hot inside. This automatically resets after cooling.



Reduce-Reuse-Recycle

This product is made primarily of recyclable materials. You can reduce your carbon footprint by recycling this product at the end of its useful life. Contact your local recycling support center for further recycling instructions.

TROUBLESHOOTING

Symptom	Problem	Solution
Heater is making noise.	1. Heater makes creaking, popping or humming noises.	1. Baseboard heater cabinet may need slight adjustment. Call Dimplex technical support team at 888-DIMPLEX (888-346-7539).
Heater doesn't work at all.	1. Circuit breaker is faulty. 2. Supply connections are loose.	1. Call a licensed electrician. 2. Turn off power at main disconnect panel. Inspect and/or tighten all the wire connectors inside the heater at connection points inside junction boxes or at the wall thermostat.
Heater doesn't turn off.	1. Thermostat is defective. 2. No thermostat hooked up to control heater. 3. Incorrect heater wattage for room size.	1. Replace thermostat. 2. A thermostat is required for all heaters. Purchase a built-in or wall thermostat for your heater. 3. Install a higher wattage model or additional heaters if circuit allows.
Heater doesn't get hot.	1. Circuit breaker is 120 volts and heater is 240 volts. 2. Multiple baseboard heaters wired in series.	1. Double check voltage of the heater to make sure it matches voltage of the circuit. 2. Wire baseboard heaters in parallel (see MULTIPLE BASEBOARD HEATERS WITH ONE THERMOSTAT on Page 5).

MAINTAINING YOUR HEATER

Clean heater at least every 24 months or as required.

1. It is important that you verify power has been turned off and the element is cool.
2. Wipe cover with damp cloth and dry.
3. Use a vacuum with an attachment to clean the heater. Do not touch the element.
4. Turn power back on at the main disconnect panel.

Any service other than cleaning should be performed by an authorized service representative.

INTERNAL HEATER WIRING DIAGRAMS



Wired on the left side



Wired on the right side