

# 4 Operation

## 4.1 Safe Operation

### FOR YOUR SAFETY READ BEFORE OPERATING

**WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.**

A. This appliance does not have a pilot. It is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.

B. **BEFORE OPERATING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

#### WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

C. Use only your hand to turn the gas shutoff valve. Never use tools. If the valve will not turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately contact a qualified installer or service agency to replace a flooded water heater. Do not attempt to repair the unit! It must be replaced!

### OPERATING INSTRUCTIONS

1. STOP! Read the safety information above on this label.
2. Set the thermostat to lowest setting.
3. Turn off all electric power to the appliance.
4. Do not attempt to light the burner by hand.
5. Turn the gas shutoff valve located on the outside of the unit to the closed position.
6. Wait five (5) minutes to clear out any gas. If you then smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
7. Turn the gas shutoff valve located on the outside of the unit to the open position.
8. Turn on all electrical power to the appliance.
9. Set thermostat to desired setting.
10. If the appliance will not operate, follow the instructions in "To Turn Off Gas to Appliance" and call your service technician or gas supplier.

### TO TURN OFF GAS TO APPLIANCE

1. Set the thermostat to lowest setting.
2. Turn off all electric power to the appliance if service is to be performed.
3. Turn the gas shutoff valve located on the outside of the unit to the closed position.



**WARNING**

It is strictly prohibited to operate this water heater without installing a vent (exhaust) pipe.



**DANGER**

Vapors from flammable liquids can explode and catch fire, causing death or severe burns.

Do not use or store flammable products such as gasoline, solvents, or adhesives in the same room or area near the water heater.

Read and follow all warnings and instructions for the water heater. If the user manual is missing, contact your retailer or the manufacturer.

**Save flammable products:**

1. Keep them away from the water heater.
2. Store them in an approved container.
3. Keep containers closed and out of reach of children.
4. The water heater has a main burner that may turn on at any time and ignite flammable vapors.

**Vapors:**

1. Cannot be seen.
2. It is heavier than air.
3. Can travel a long distance along the floor.
4. Can be carried by air currents from other areas to the main burner.



**DANGER**

1. Water temperatures above 125 °F (52 °C) can cause severe burns instantly.
2. Children, persons with disabilities, and the elderly are at the highest risk of scald injury.
3. Always test the water temperature before bathing or showering.
4. The outlet temperature of the water heater is set to 107 °F (42 °C). If the water temperature you require is lower than this setting, please follow the instructions in the manual.
5. Use this heater at your own risk. Test the water temperature before showering. Do not leave children or infirm persons unattended. For available temperature-limiting valves, please consult your local water supplier or plumbing retailer.



**DANGER**

A pressure relief valve complying with ANSI Z21.22 • CSA 4.4 must be installed in the location specified by the manufacturer during installation.

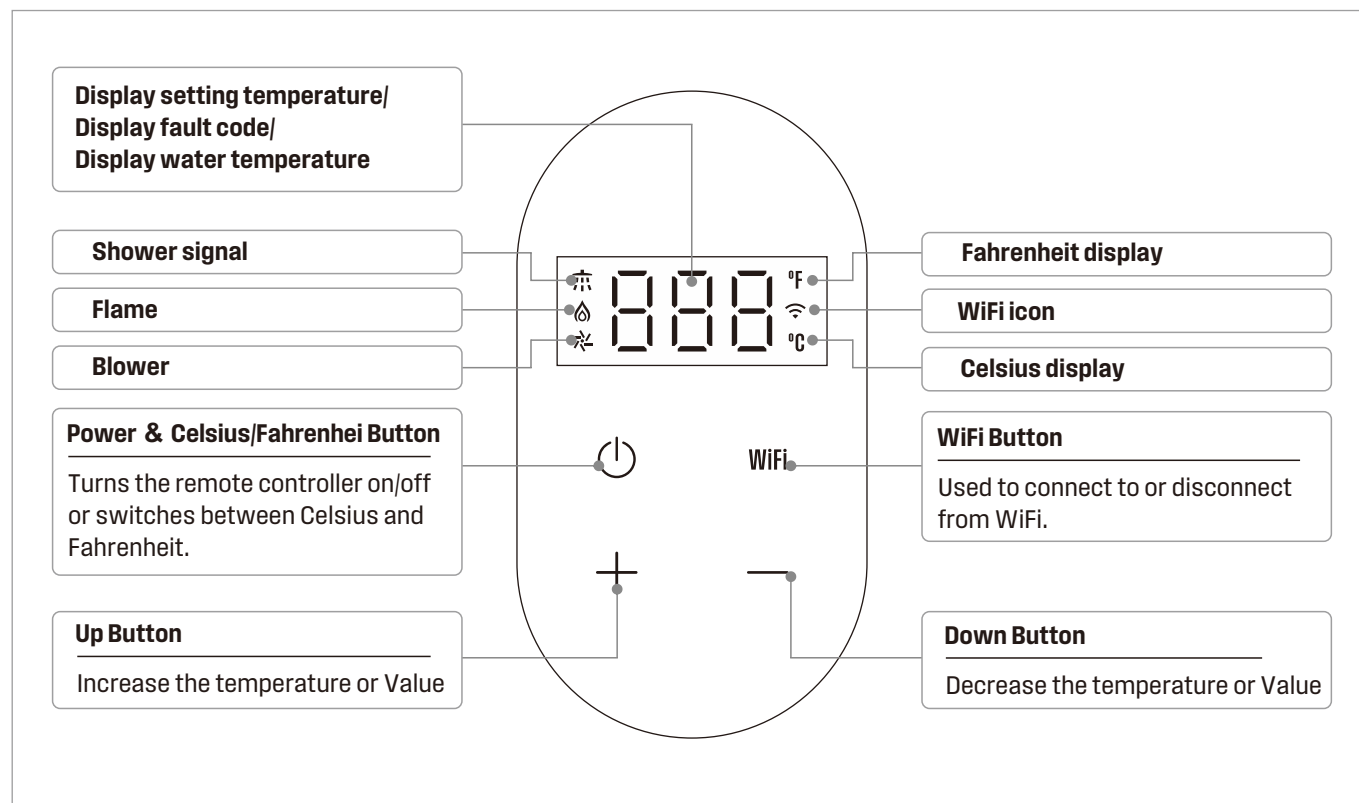
The pressure relief valve is a safety device required for the safe operation of the water heater. Do not remove, disassemble, or block the safety valve.

No valve shall be installed between the safety valve and the water heater.

The discharge line of the relief valve must be installed so that it does not cause damage. No reducing fittings or other restrictions may be installed on the discharge line to limit flow.

For installation and maintenance of the pressure relief valve and discharge line, refer to the section titled "Pressure Relief Valve" in the installation manual, as well as all other relevant safety precautions.

## 4.2 Operation Instructions



### High Temperature Lock Function (Scald Protection)

To prevent accidental operation from setting the water temperature too high, the water heater is equipped with a High Temperature Lock.

When the set temperature reaches 120°F (49°C), the safety lock is automatically activated, and further temperature increase will be restricted.

#### To unlock and adjust the temperature above 120°F:

1. Press and hold the “Up” button for 3 seconds.
2. The display will indicate that the lock is released, allowing temperature adjustments above 120°F.
3. If no further action is taken, the system will return to normal safety control logic after a short period.

### Setting the Temperature

The controller buttons shown below are located on the outside front panel for water heaters.

1. If the water heater is off, press the “Power” button to turn on.
2. Press the Up or Down buttons to obtain the desired temperature setting.



#### IMPORTANT

There may be a variation between the temperature displayed on the temperature controller and the temperature at the tap due to weather conditions or the length of pipe to the water heater.

### Available Temperatures

The water heater can deliver water at only one temperature setting at a time. The available temperatures are provided below. A temperature lower than 95°F (35°C) can be obtained at the tap by mixing with cold water. To change the temperature scale from Celsius to Fahrenheit or vice versa, press and hold the “Power” button on the controller for 5 seconds while the water heater is in standby mode.

\* Factory setting (default): 107°F(42°C).

### Temperature Settings

°F	95	96	98	100	102	104	105	107	109	111	113
°C	35	36	37	38	39	40	41	42	43	44	45
°F	114	116	118	120	122	123	125	127	129	131	132
°C	46	47	48	49	50	51	52	53	54	55	56
°F	134	136	138	140	141	143	145	147	149		
°C	57	58	59	60	61	62	63	64	65		

**! DANGER**



Water temperatures over 125°F (52°C) can cause severe burns or scalding resulting in death.

Hot water can cause first degree burns with exposure for as little as:

- 3 seconds at 140°F (60°C)
- 20 seconds at 130°F (54°C)
- 8 minutes at 120°F (49°C)

Children, disabled, or elderly are at highest risk of being scalded.

Feel water before bathing or showering.



**WARNING**

Minors are not allowed to operate the water heater themselves unless accompanied by a guardian.

- If the temperature is set too high, it may cause hot water burns.
- If overheating occurs or the gas supply cannot be turned off, turn off the manual switch gas control valve to the unit.



**WARNING**

Temperatures above 125 °F (52 °C) can cause severe burns or burns. The risk of injury to children, the disabled and the elderly is high.

°F	°C	Time to produce serious burn
120	49	More than 5 minute
125	52	One and a half to two
130	54	About 30 seconds
135	57	About 10 seconds
140	60	Less than 5 seconds
145	63	Less than 3 seconds
150	66	About 1.5 seconds
155	68	About 1 seconds