

THE SAUNA PLACE

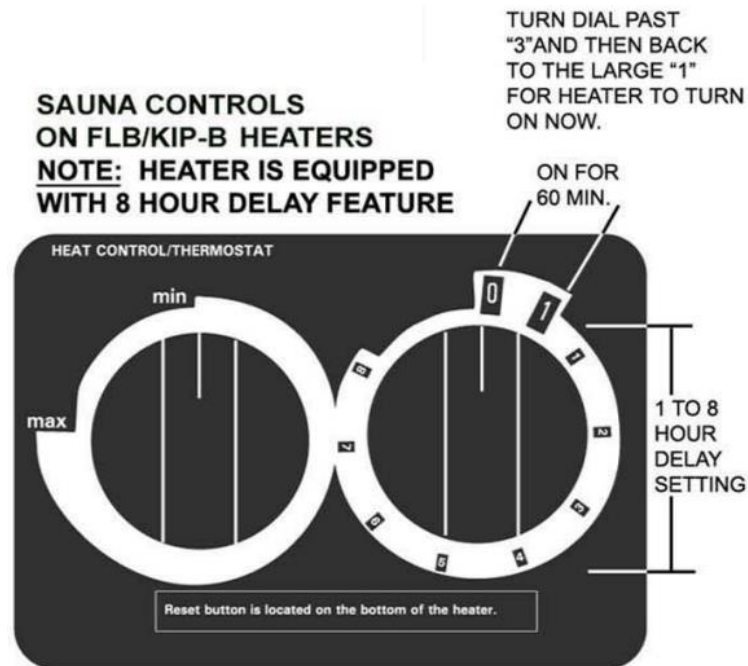
Your Sauna & Steam Room Source!

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Finlandia Sauna Heater Troubleshooting Quick Tips



VERY IMPORTANT!! Read instructions below for operation of heaters with built in controls.

Set heat control thermostat (left side dial) to max. FLB & KIP-B sauna heaters with built in controls have a 60 min. timer (0 to large 1 on the dial), and if you wish to use the full 60 min. cycle, turn the timer knob past the large 1 to number 2 or 3 on the dial. Then turn backward to the large 1 until a click is heard. Leave knob at that setting, and Sauna will operate for 1 hour before shutting off automatically.

An additional feature is an 8 hour time clock (small 1 to 8 on the timer dial). If you wish to preset your Sauna heater to automatically turn on from 1 to 8 hours later, turn the timer to the desired number. Timer will wind down to large 1 (1 hour) setting. The heater will turn on and stay on for 1 hour.

Allow at least 30 minutes for room to heat up to an average Sauna temperature. Note!! If you set timer past first 1, timer will not come on until the time set has elapsed. The 60 min. timer is quiet. It does not tick.

For eg., if you set the timer knob at number 3 setting, the Sauna heater will turn on 3 hours later, and will be ready for useage in 3 1/2 hours (allowing for 1/2 hour heat up time). The heater will shut off automatically in another half hour, and if you wish to continue using Sauna, reset the 60 min. timer by going forward to the time delay numbers, then backward to the large 1 hour setting. Heat Sauna for 30 min. to 1 hr. to achieve adequate Sauna temperature. Wait at least 30 minutes from cold start before pouring water on the sauna stones. If room is too hot, adjust heat control knob toward minimum until desired temperature is reached.

SAUNA – GENERAL INFORMATION

Rock placement – do not operate heater without stones!

Use only the stones which are supplied with the Sauna heater.

Place them inside heater so that rocks are between and around heating elements. However, do not force rocks between elements.

Use smaller stones first, and continue to fill heater with larger stones until they are about 2" below rock guard. You may not need all of the stones.

Stones should be placed loosely within heater so that there is good heat circulation around and through them. Stones should completely cover the heating elements, however!

Pouring water over exposed elements could cause heater damage!

TESTING OF SAUNA HEATER

1. After Sauna heater has been properly wired, according to appropriate wiring diagram and local codes, turn Sauna breaker on in the main breaker panel. (Note! Electrician must label "Sauna" breaker.)
2. Turn thermostatic (heat) control to on position (this is located either on your heater or on your remote wall control. If you have a wall control, the indicator light will come on to show that the Sauna is heating). Set timer to 10 or 15 minutes.
3. Within 5 minutes, you should be able to feel heat from heater elements when holding your hand over heater.
4. If Sauna does not heat, refer to troubleshooting information.
5. It is normal for smoke to appear during the first heating, as protective element coating needs to burn off. **Turn sauna on for 1 hour before using the first time, to eliminate smoking.**

TROUBLESHOOTING

A. If sauna does not operate after initial installation and wiring:

1. Check breaker to be sure that it is on. Also, breaker should be correct size.
2. Be sure that thermostat and timer are both in on position.
3. Be sure that timer winds down. If timer has been shorted out, heater will not operate.

B. If sauna has been in operation, but heater ceases to operate:

1. Check breaker to make sure it is on.
2. Check timer to see if it winds down.
3. Check high limit reset button in heater (reset is located under the heater).
Push button up to reset. Make sure breaker is on and heater is in the "on" position when pressing.
4. Open the heater junction box to check condition of wires leading to the heater elements.
5. Call your electrician or service person for further help.

NOTE! A ground fault interrupter (GFI) should not be installed in and does not belong in a Sauna. If used, the breaker will trip, and damage could result.

C. If sauna heater operates, but sauna room does not come up to normal sauna temperature (160–185°F) when thermostat is at max.

1. You must allow at least 30 minutes for Sauna heat-up time.
2. Is Sauna thermometer located 6" from ceiling, and is it above or close to Sauna heater? (This is proper location for Sauna temperature reading.) Thermometer readings vary with room heights and location. Eg. 180°F above Sauna heater = 165 on opposite wall = 120 at upper bench level = 100 at lower bench level = 80 at floor level.
3. Check for proper wire size, amp size, and proper wiring (according to diagrams and information) also necessary copper wiring.
4. Check for placement of stones to make sure they are loosely spaced around elements, to insure good air flow. Stones packed too tightly will restrict air flow and reduce heating capacity.
5. Check for heat loss (around or under door, around ceiling light or fan – we do not recommend ceiling light and a fan does not belong in the Sauna).
6. Is room properly insulated?
7. Is ceiling higher than 7'?

CAUTION! ELECTRICIAN OR SERVICE PERSON!

1. **Before servicing heater, control, or contactor, turn power off at breaker!**
2. Remove bottom plate of heater to access heater wires. Make sure wires are tightly secured with no loose connections and that wire is all copper.
3. Check for burned timer or thermostat or corroded wires in heater.
4. After checking all the above, remove rocks and check heater elements for holes or any breaks. (Only if heater has been in use for some time.)

Finlandia Sauna's warranty on parts is void if installer/electrician fails to follow necessary wiring information provided or fails to follow code for proper wire size, amperage, etc.

HIGH LIMIT CONTROL

Each heater is equipped with a high limit control which is a safety device. If an abnormal heating condition should occur, the heater will automatically shut off, and it will not come on again until it cools.

To reset the high limit, locate the reset button (bottom front on wall models and push upward until contactor kicks in. If reset button continues to trip, contact a qualified service person. Be sure that a GFI breaker has not been installed.

Receptacles or PLUGS are not allowed in a Sauna room. If a speaker is installed in a Sauna room, it should not be installed higher than 3' from floor, away from the Sauna heater (consult manufacturer for ratings).