

Owner's Manual

Patio 4 x 6 and 5 x 7

With SaunaLogic Control



Precautions before Use.....	2
Read Before Installation.....	3
Room Assembly.....	4
Electrical Installation	9
Roofing Installation	9
Interior Installation	13
Lighting Operation.....	15
Sauna Heater Operation.....	15
Maintenance.....	16

Read all instructions carefully before installation including instructions packaged separately with the sauna heater. Please leave all instructions and warranty with the owner.

WARNING: When using electrical sauna heaters and associated sauna products, basic precautions must be followed, including the following:

1. Grounding is required.
2. No electrical receptacle shall be installed in the sauna room.
3. Be sure rocks are placed in the heater according to the instructions on page 9 of this manual.
4. Do not tamper with the door or install a latching or locking system. Malfunction of which may cause entrapment inside the heated room.
5. Do not block ventilation openings. Vents must be kept free of obstruction so proper airflow is maintained in the sauna room. Do not stack anything in front of the vents.

WARNING: Prolonged exposure to elevated temperatures is capable of inducing hyperthermia. Hyperthermia occurs when the internal temperature of the body reaches several degrees above the normal body temperature of 98.6°F. The symptoms of hyperthermia include an increase in the normal temperature of the body, dizziness, lethargy, drowsiness, and fainting. The effects of the hyperthermia include failure to perceive heat, failure to recognize the need to exit the room, unawareness of impending hazard, fetal damage in pregnant women, physical inability to exit the room and unconsciousness.

WARNING: The use of alcohol, drugs, or medication is capable of greatly increasing the risk of fatal hyperthermia.

CAUTION FIRE HAZARD: Do not use the sauna room for drying clothes, bathing suits, etc. Do not hang towels above the heater or place any object, other than the rocks supplied, in the heater. If any darkening of the wall around the heater is noticed, discontinue sauna use immediately.

ROOM ASSEMBLY

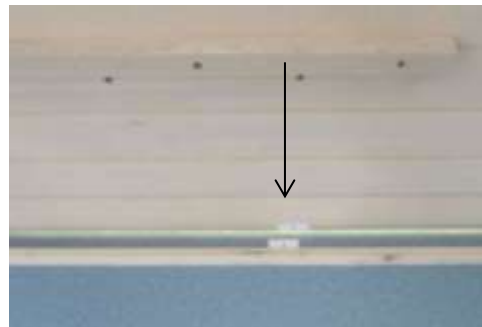
- Each panel is heavy. Be careful to avoid injury when installing, especially the top panel.
- Two adults are required for the installation of sauna room.
- There is a pin or a slot on the sides of each panel, which will be installed correspondently with one pin to one slot in the following way when installing:
 - The panel with pin should be lifted up about 1 inches (2 cm) higher than the panel with the slot (Refer to Picture 1).
 - Place the panel with the pin against the panel with the slot (Refer to Picture 2), and then slide the panel with the pin down until the two panels are equal in height (Refer to Picture 3).
 - If they are not equal in height or there is an obvious gap between the two panels, that means they are not properly attached, and you should try again.



INSTALLATION OF SAUNA ROOM

1. Place the floor panel in the desired location on a level surface (Note: The floor panel must be level before installing wall and ceiling panels. If the surface is not level you may need to shim the bottom panel to get it level.)

The base is numbered to correspond with the panels for correct locations. The right wall is labeled # 1, the back right panel is labeled #2 and etc...(See picture below)



Note: We recommend during assembly a "light bead" of caulking (not supplied) to be added to the floor and place the wall panels on the caulk to prevent moisture from penetrating the floor.

2. Place the right wall panel on the outer edge of the floor panel.



3. Place the right back corner panel pins into right wall slots.



Note: We recommend during assembly a "light bead" of caulking (not supplied) to be added between the wall panels close to the outside edge to prevent moisture from penetrating the walls.



4. Place and latch the left side back wall panel to right back wall panel.



5. Place and latch the left side panel to the left back wall panel.



6. Place and latch left right front wall to left side wall.



7. Place and latch the door panel to the left front wall panel.



8. Place and latch the right front wall panel to the door panel and to the right wall panel.

Note:

We recommend during assembly a "light bead" of caulking (not supplied) be added around the outer base and wall to prevent moisture from penetrating the floor areas.

9. Install the left, center and right support beams from the back of the room through the front wall.

Note the notches in the beams to fit to the walls.



10. Drill screws into side beams.



11. Drill the screws at an angle through the front and back walls into the center beam.

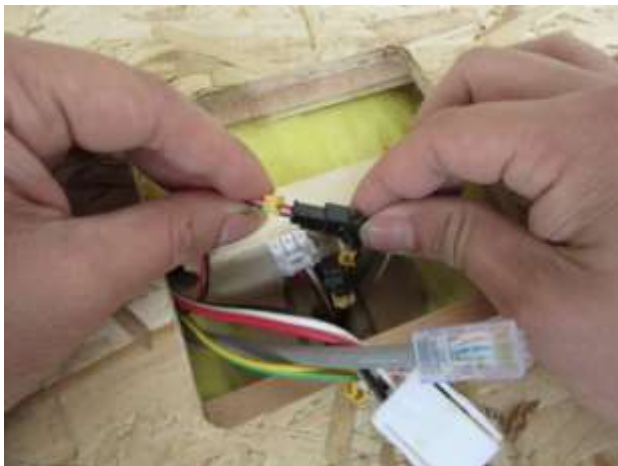


12. Place the right ceiling panel on the room and be sure to ensure the trim inside the room is fitting on the wall. Be careful to push the wires from the front and back walls into the ceiling openings.



13. Connect the electrical connectors and in put in the ceiling holes and reinstall the electrical access cover.

NOTE: Double check all electrical connections! Once the roofing is installed, electrical access is minimal.



14. Partially install the left ceiling panel on the room. Place a piece of packing between the bottom of ceiling and the top of the wall panel close to the peak. This will allow the panels to have space between the peaks. Connect the wire harnesses between the right ceiling and left ceiling peaks. Once the wires are connected insert them in the right ceiling hole and lower the ceiling down on the walls.

Note: Ensure the ceiling panels are pushed to the peak before installing screws.



15. See predrilled holes in ceil. Secure the ceiling to walls with screws.



ELECTRICAL / HEATER ASSEMBLY

16. Connect the sensor wire coming out of the wall above the heater to the sensor assembly. The sensor will then be fastened to the wall over the hole with a screw.



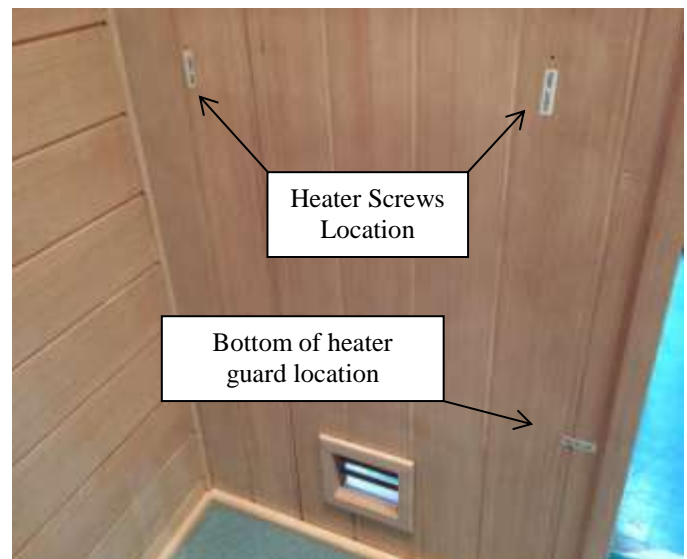
17. Snap cover on the sensor and be sure to place the solid white portion of the sensor over the wire connections.



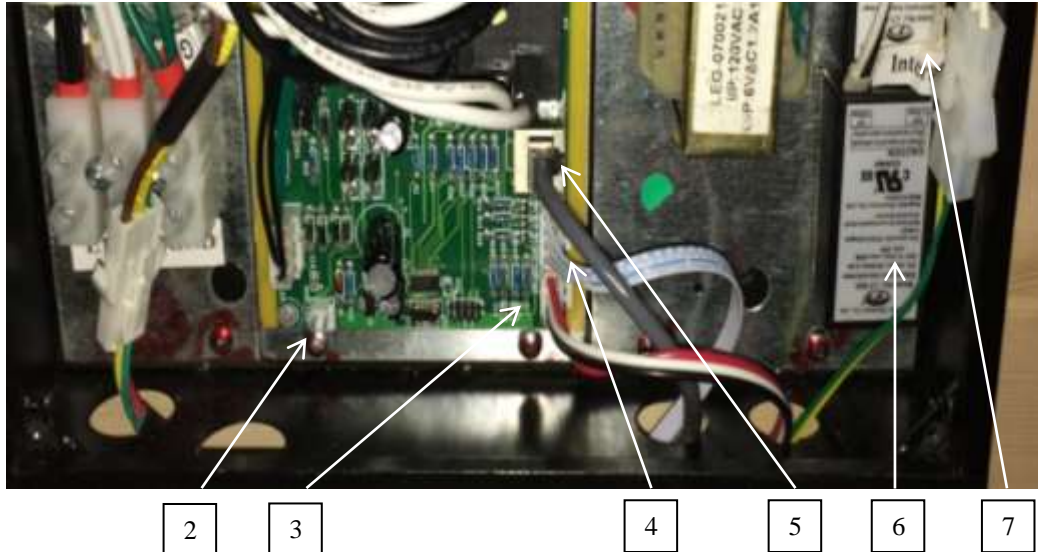
18. Mount the CB-PK-1 contactor box to the right wall with four screws provided by locating the lower left corner of the box to wood pencil trim on wall.



19. Mount the sauna heater according to the Installation and Operation Manual provided with the heater.
20. The wall is labeled and predrilled for the top lag screws from the sauna heater hardware.



21. Connect wires from building electrical supply to the lower terminal block labeled L1, L2, and Gnd through the predrilled hole in the wall.
22. Connect wires from sauna heater to upper terminal block labeled T1, T2, and Gnd
23. Connect all the quick connections according to the picture and installation manual into the CB-PK Box.



1. N/A
2. High Limit (from heater to PCA)
3. Room Temp Sensor (from wall to PCA)
4. Color Therapy Lights (from wall to PCA)
5. Control (from wall to PCA)
6. Interior Lights (from wall to transformer in box)
7. Exterior Lights (from wall to transformer in box)

24. Install the wood heater guard around the sauna heater using the 1 1/8" screws provided. The heater guard location is marked on both walls with a label. Place the bottom of the heater guard to cover the label on the walls and secure into location.



Note: Electrical access will be difficult after the roofing is installed on room. Please ensure all connections are good and tested.

Roofing Installation

25. Install the roofing felt on the ceiling to prevent moisture on the wood. Put first sheet on at the lower part of each ceiling panel. Overlap the paper over the peak and over each side piece to ensure moisture does not get under the paper.

26. Secure it with staples or two-face tape.



Roofing Installation for 4 x 6

27. Install roofing, starting from back of the room. The back edge of the first panel should be flush with the back edge of the ceiling panel. Install the roof panel to have a minimum of 1" and a maximum of 2" overhang at the bottom of the panel along the fascia.



Overlap 2 ridges

Overlap 1 ridge



Minimum of 1-inch overhang.

28. Secure the back roof panel with two screws. Do not overtighten the screw as it will deform plastic ridge.



Note: Outer edges of the roof panels are secured by the fascia and ridge cap.

29. Overlap 1 ridge of the middle panel on the back panel and install the screws.

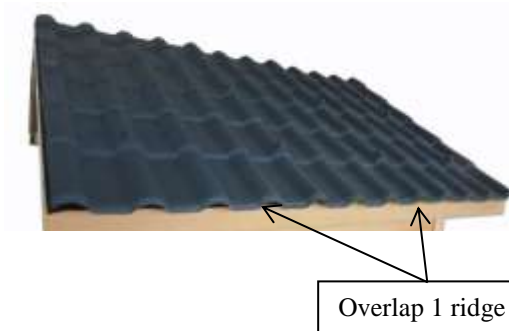
30. Overlap two ridges of the front panel over the middle panel. Front panel should be flush with the front edge of the ceiling. Install the remaining screws.

31. Repeat the process on other side of ceiling



Roofing Installation for 5 x 7

32. Install roofing, starting from back of the room. The back edge of the first panel should be $1\frac{3}{4}$ " of an inch from the back edge of the ceiling panel. Install the roof panel to have a minimum of 1" and a maximum of 2" overhang at the bottom of the panel along the fascia.

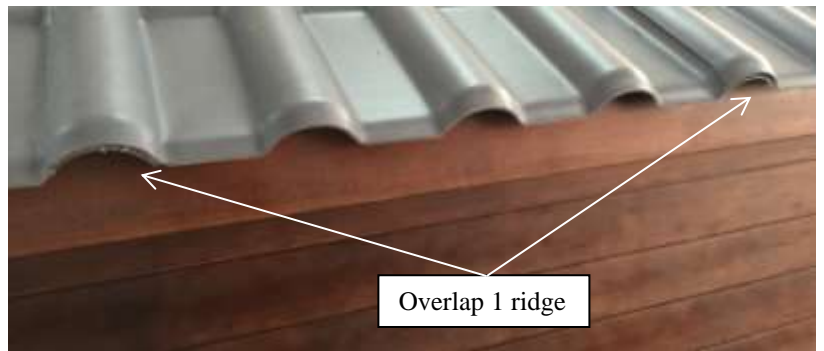


33. Secure the back roof panel with two screws. Do not overtighten the screw, as it will deform plastic ridge.



Note: Outer edges of the roof panels are secured by the fascia and ridge cap.

34. Overlap one ridge of the middle panel on the back panel and install the screws.
35. Overlap one ridge of the front panel on the middle panel and install the screws.
36. Front panel should be 1 1/2" from the front edge of the ceiling. Install the remaining screws.



37. Repeat the process on other side of ceiling

Roofing Installation for 4x6 and 5x7

38. Install the both pieces of front fascia. Make sure the peak of each fascia meets at the very top of the room. Install the fascia with a 90° front first so it will be overlapped to keep moisture from getting under the roofing. Drill hardware through fascia and roofing.



39. Install back fascia and repeat the process as front fascia. See fascia / ridge cap hardware below.



40. Install ridge cap and secure with hardware.



41. Insert foam under the roofing edge to prevent insects from getting under the roofing.

Note: Roofing screws may need to be loosened to get foam between roofing and ceiling.

42. Install round covers over screws on roofing.

43. Secure walls to base of room with screws.



Interior Installation for 4 x 6

44. Install lower bench in the room after electrical wiring is completed.
45. Install upper bench in the room.
46. Install the backrest to the back wall with screws.



Interior Installation for 5 x 7

47. Install lower bench in the room after electrical wiring is completed.
48. Install support member under the upper bench with screws on the left side of bench.
49. Install the upper bench in the room.





50. Install the return bench in the room between the front wall and the upper bench.

51. Install two screws under the return bench to the main bench.

52. Install the backrest to the back wall with screws.



Two screws under the return bench



SAUNALOGIC CONTROL OPERATION

OPERATING INSTRUCTIONS FOR LIGHTING

Press “Light bulb inside a square” to switch on or off the interior lights.

Press “Light bulb outside a square” to switch on or off the exterior lights.



OPERATING INSTRUCTIONS FOR SAUNA HEATER

Default settings for temperature are preset to 176°F; the bath time is set to 60 minutes and 0-minute delay to start to heat. These settings are adjustable (as described below) from 125°F to 194°F. Length of sauna can be set from 0 to 60 minutes. The time delay before start can be up to 23 hour and 59 minutes. Any changes are remembered by the heater for your next bath. Should the heater power be lost then restored, the settings will return to their default values. If the heater does not start heating, refer to the Pre-Set Delayed Start section below.

STARTING SAUNA HEATER IMMEDIATELY

Press the control POWER button once. The room temperature will be displayed on the control. The heater will turn on and begin heating the room to current set points. Once the set temperature is reached inside the room, the heater will turn heater on and off again as needed to maintain the desired temperature. At the end of the selected time (60 minutes maximum), the control will turn itself off and the control display will turn off.

SETTING THE TIME AND TEMPERATURE

To set the sauna length time, press the control POWER button to turn on the heater. Press the “+” or “-” buttons on the left side of control to increase or decrease time for desired setting. The maximum of time is 60 minutes.

To set the temperature, press the control POWER button to turn on the heater. Press the TEMP “+” or “-” buttons on the right side control to increase or decrease temperature for desired setting. The maximum temperature is 194°F (90°C).

Note: Typical sauna bathing set-point temperature is 150°F to 165°F on the control.

PRE-SET DELAYED START

With the electricity applied to the CB PK-1 box, press the control POWER button once. The room temperature will be displayed on the control. Press the “clock” button. Press the “+” or “-” buttons on the left side of the control to increase or decrease delay time for desired setting. The maximum of time is 23 hours and 59 minutes. If no delay start is desired, set to 00:00 and press “clock” button.

Note: The LED light above clock will glow when system is in the delayed start mode and the “.” will flash in the time section.

USER MAINTENANCE INSTRUCTIONS

Room Instructions for Cleaning:

Perspiration and dirt may absorb into the wood, so periodic cleaning is needed. Scrubbing the benches and floorboards with a stiff brush and mild detergent is normally sufficient. Light sanding is another option.

Exterior Maintenance:

The exterior should be painted/stained as any outside building.

TROUBLESHOOTING

Error Codes on controls

Sn = Means the sensor is not connected to the CB PK-1 box. Check the connections between sensor and box

HL = Means the High Limit switch in sauna heater is not connected to the CB PK-1 box. Check the connections between heater and box.

For troubleshooting or service questions call 1-888-780-4427 and ask to speak with the Technical Support Department. Prior to calling, please have the Model, Type Number, and Serial Number from room available. You may also email us at techsupport@saunatec.com.