# HOMECRAFT SAUNAS

North America's most trusted sauna heater

# H-SERIES INSTALLATION & ELECTRICAL INSTRUCTIONS

## 6KW, 7.5KW & 9KW
## 240V / 1 PHASE

**Homecraft Saunas is a family-run Canadian manufacturer dedicated to creating the best sauna experience possible. As North America's largest producer of sauna heaters, we design and build every heater and control system in-house, ensuring uncompromising quality, reliability, and performance.**

**Our mission is simple: craft beautifully engineered products that deliver pure heat, abundant steam, and a timeless sauna experience that brings families together. Rooted in Canadian craftsmanship and driven by our passion for connection, storytelling, and memory-making, Homecraft Saunas is proud to set the standard for exceptional sauna heaters made right here in Canada.**

QUESTIONS?
CONTACT US.

604-888-3403
info@homecraftsaunas.com

# Electrical Specifications

| Model | Watts | Voltage | Phase | Control | Circuit Breaker | Wire 90' C copper |
|---|---|---|---|---|---|---|
| H-Series | 6000w | 240v | 1 | Tke2-2 | 40amp | 8 |
| H-Series | 7500w | 240v | 1 | Tke2-2 | 40amp | 8 |
| H-Series | 9000w | 240v | 1 | Tke2-2 | 50amp | 8 |

# Heater Specifications

| MODEL | WEIGHT | CLEARANCE TO CEILING | MINIMUM ROOM SIZE | MAXIMUM ROOM SIZE | MINIMUM CEILING HEIGHT |
|---|---|---|---|---|---|
| H-Series 6kw | 42 lbs. | 42'' Inches | 7.07 m3 (250 ft3) | 8.5 m3 (300 ft3) | 78'' Inches |
| H-Sieres 7.5kw | 42 lbs | 42'' Inches | 8.5 m3 (300 ft3) | 10.47 m3 (370 ft3) | 78'' Inches |
| H-Series 9kw | 42 lbs | 42 Inches | 10.2 m3 (360 ft3) | 12.74 m3 (450 ft3) | 78'' Inches |

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GENERAL WARNINGS & CAUTIONS

1.1 ELECTRICAL WIRING ROUTING
ALL WIRING TO THE SAUNA HEATER AND ACCESSORIES MUST BE ROUTED AWAY FROM ANY DIRECT RADIATION FROM THE SAUNA HEATER

1.2. WATER SPRAY
NEVER SUBJECT THE SAUNA HEATER OR CONTROL COMPONENTS TO DIRECT WATER SPRAY

1.3. SHOWER HEAD
NEVER INSTALL A SHOWER HEAD ABOVE THE SAUNA HEATER

1.4. FREQUENT HIGH LIMIT SWITCH FAULTS
IF THE MANUALLY RESETTABLE TEMPERATURE-LIMITING CONTROL TRIPS FREQUENTLY, A QUALIFIED SERVICEMAN SHOULD BE CONTACTED

1.5. FIRE PREVENTION
CAUTION: AVOID A FIRE, DO NOT PLACE COMBUSTIBLE MATERIAL ON SAUNA HEATER
ATTENTION : ÉVITEZ LES INCENDIES, NE PLACEZ AUCUNE MATIÈRE COMBUSTIBLE SUR LE

1.6. APPROVED CONTACTORS
CAUTION: USE ONLY A CONTACTOR APPROVED FOR 250 000 ENDURANCE CYCLES
ATTENTION : UTILISER UNIQUEMENT UN CONTACTEUR APPROUVÉ POUR 250 000 CYCLES DE

1.7. MAINTENANCE PROGRAM
THE OWNER MUST IMPLEMENT A MAINTENANCE PROGRAM FOR THE SAUNA HEATER AND INSPECT THE SAUNA HEATER AT THE END OF EACH DAY TO ENSURE THE SAUNA HEATER IS TURNED OFF

2. GENERAL SPECIFICATIONS
ELECTRICAL WIRING AND HOOK-UP SHOULD BE DONE BY A CERTIFIED ELECTRICIAN. ELECTRICAL CONNECTION BY A NON-CERTIFIED PERSON VOIDS THE WARRANTY. NEVER INSTALL ELECTRICAL WIRING SUCH THAT IT COULD BE EXPOSED TO HEAT RADIATING FROM THE SAUNA HEATER. THE CONTROL BOX MUST BE INSTALLED ON THE OUTSIDE OF THE SAUNA ROOM. DO NOT INSTALL ANY ELECTRICAL RECEPTACLES INSIDE THE SAUNA ROOM.

NOTE: NO COMBUSTIBLE MATERIALS ARE PERMITTED UNDER THE HEATER. EXAMPLES OF THIS ARE DUCKBOARD, TOWELS, PAPER TOWELS, ETC.

# H-Series Sauna Heater Installation

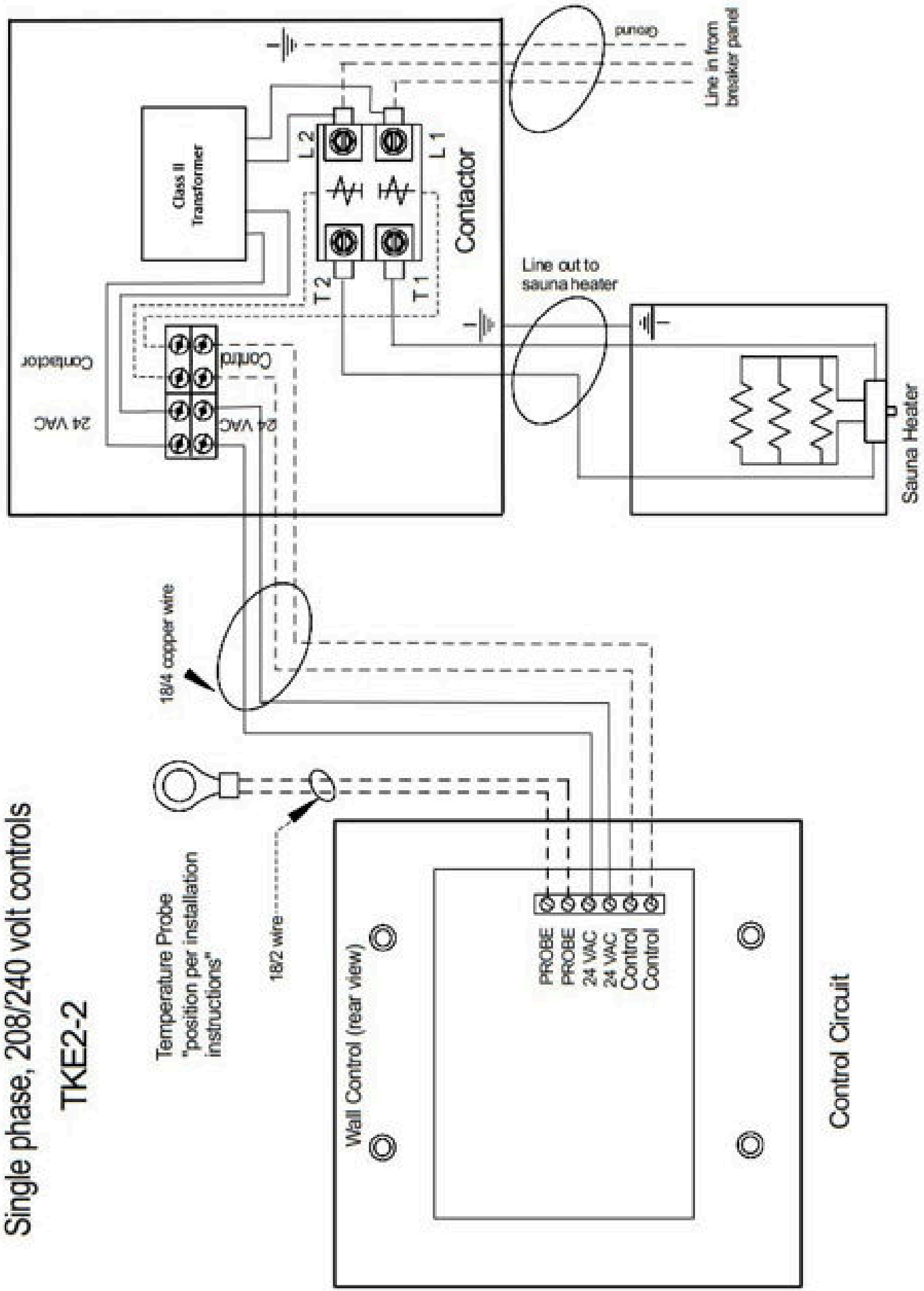
Homecraft sauna heaters come fully assembled. Mounting hardware is supplied with the heater. Please remove the plastic protective coating on the outside of the heater after the sauna heater is completely installed and always before the initial start-up

Mounting the Sauna heater:

1. The H-series sauna heaters are to be installed 12'' from the floor and need to have 42'' of space above the heater to the ceiling to meet safety requirements to combustible materials.
2. Place the heater on the wall and with a marker safely mark where the brackets should go. Ensure the heater is level and meets the safety requirements to combustibles before securing the brackets to the wall.
3. Lay the heater on the floor and remove the bottom plate. Open the appropriate knock-outs in the electrical box and install a seal-tight connector. Connect the wiring as shown in the wiring diagram and secure the bottom plate.
4. Ensure the meets the distance to combustible safety distances
5. The thermostat temperature sensor should be mounted inside the sauna room in line with the heater 2.5'' from the ceiling. If the sensor bulb is not positioned correctly, tripping of the high limit switch will occur.
6. Ensure that a heater guard is placed around the heater for safety and that the heater guard maintains the safe distances to the sauna heater.
7. Fill the heater rock basket with igneous rocks. NOTE: This sauna heater should never be operated without rocks.

**Rock Placement:**
To many rocks will suffocate the heat inside of the sauna heater causing the high-limit safety switch to turn the heater off. Ensure proper airflow around the rocks. Ensure that the sauna rocks are not packed together too tightly in the rock basket. Cool air is entering the heater at the bottom, being heated by the elements, and rising through the top of the
heater. If airflow is impeded due to rock placement, superheated air will build up inside the heater resulting in the Temperature High Limit Switch tripping. When installing rocks, place the first layer of rocks scattered over the screen leaving approximately 50% of the screen
exposed. Place each additional layer of rocks across the gaps so there will be good airflow. Stack the rocks loose and high, NOT tight and low. Use all rocks provided.

# Electrical Wiring Diagram



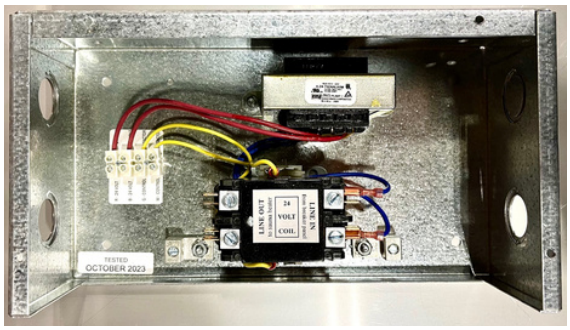
# Sauna Heater Installation

**Relay Control Box Installation**

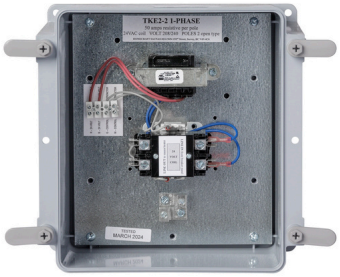
The “Relay Control Box” contains the 24 volt Class II transformer and a magnetic contactor. The Relay Control Box can be surface mounted or flush wall mounted. This box needs to be mounted in a location that you can access should servicing be required. **Note: The correct approved 18/4 wire may vary as indoor or outdoor installations differ.**

Connect the 18/4 wire to the appropriate connections in the Relay Control Box. If more than the supplied 18/4 wire is needed for your installation, you can order additional wire from HOMECRAFT or purchase 18/4 wire locally. Do not splice into the supplied wires if you are short.

Be sure to connect colored wires consistently between the Relay Control Box and the Wall Control Panel as per the wiring diagram (See page 8)

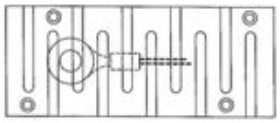


**Indoor**



**Outdoor**

**Temperature Sensor Installation**



Step 1: Attach the Temperature Sensor, with the supplied connectors, to the 3658mm (12 Ft) length of 18/2 wire. If you require a longer distance between the sensor and the Digital Sauna Control buy a new continuous length of 18/2 wire and attach the sensor to it. Do not slice into the wire supplied.

Step 2: Be sure to run the 18/2 wire inside the insulated stud space in the sauna wall.

Step 3: Be sure to leave a little slack in the 18/2 wire in the stud wall. Strip about 152mm (6'') from the outer casing of the 18/2 pair, leaving the protective casing on the individual leads. This will make it easier to attach the 18/2 wires to the sensor leads, and gives more flexibility when pushing any excess wire back into the wall.

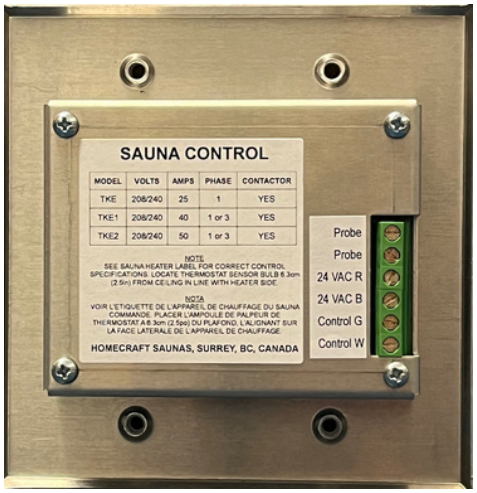
Step 4: The sensor wire should come out of the wall into the sauna room through a 5/8'' diameter hole so the sensor is positioned over the heater according to the heater instructions (see figure 1)

Step 5: Do not hide or bury the sensor behind a cover other than the one supplied by Homecraft. Incorrect installation of the sensor will negatively impact the heater operation, cause nuisance high limit tripping (safety device in the heater), and compromise personal and fire safety.

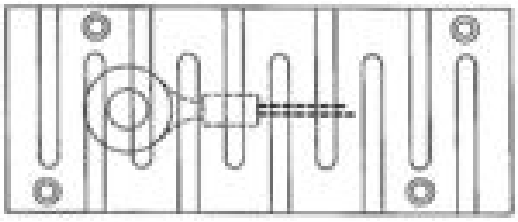
**Digital Control for a Homecraft Sauna Heater:**

The Homecraft Regular Digital Touchpad is a class 2, 24v low voltage control. This control can be mounted into a standard 2 Gang electrical box. The sauna touchpad should be mounted on the outside of the sauna room.

Run appropriate 18/4 wire from the terminal block mounted inside the contactor box to the back of the touchpad.

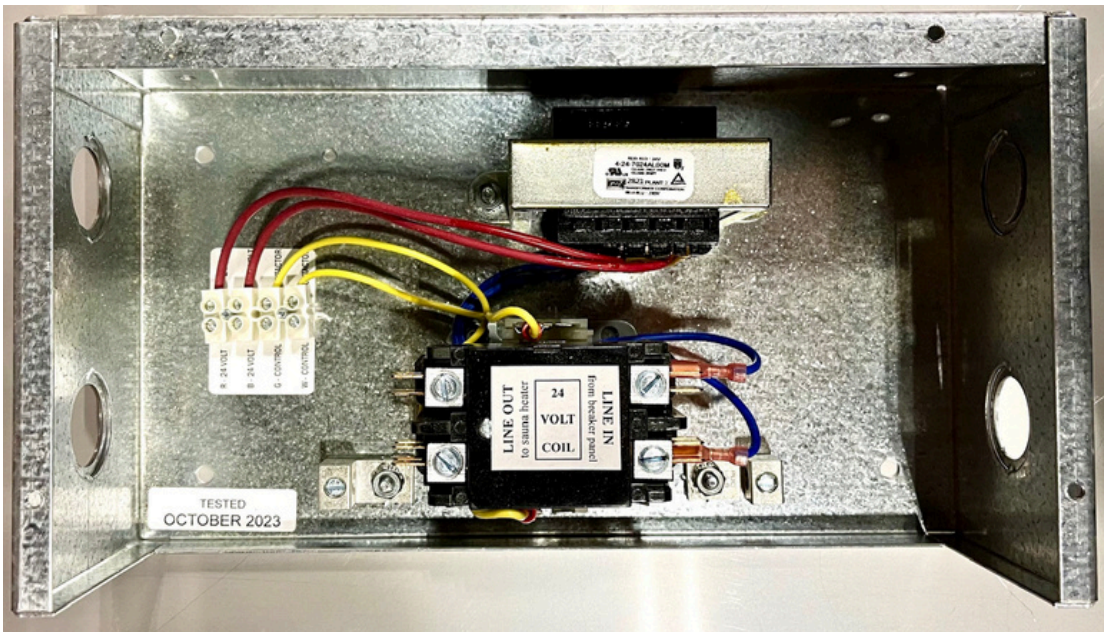



Connect the Thermistor inside the sauna room above or in-line with the heater 2.5'' from the ceiling. Connect the thermistor to the 18/2 wire and connect to the back of the touchpad.



Connect the appropriate 18/4 wire from the 24 VAC (R=Red, B=Brown) and Control (G=Green, W = White) to the marked terminal block inside the contactor. (R,G,B,W)

R = Red
B = Brown
G = Green
W= White



# Terms of Use for all Homecraft Mfg Corporation (Homecraft saunas) products.

By purchasing, installing, or using a Homecraft Saunas heater or related product, the buyer agrees to the following terms of use.

**Assumption of Risk** Using a sauna involves inherent risks, including but not limited to burns, dehydration, slips and falls, property damage, personal injury, or death. By using the sauna and any Homecraft Saunas equipment, the buyer and all users acknowledge and accept full responsibility for all risks associated with sauna use. Limitation of Liability To the fullest extent permitted by law, Homecraft Saunas—along with its affiliates, employees, agents, and representatives—shall not be held liable for any injuries, health issues, damages, or losses arising from the installation, operation, misuse, or inability to use the sauna or heater. This includes, but is not limited to, bodily harm, death, property damage, or economic loss. Homecraft Saunas makes no express or implied warranties beyond those specifically stated in the product warranty.

Under no circumstances shall Homecraft Saunas be responsible for incidental, indirect, special, or consequential damages related to sauna use.

**User Responsibility The buyer is solely responsible for**: Reading, understanding, and following all installation, maintenance, and operating instructions provided in the product manual.
- Ensuring the sauna and heater are installed by a qualified professional in accordance with local electrical and building codes.
- Maintaining the sauna and heater in accordance with Homecraft Saunas' guidelines.
- Ensuring all users are informed of the risks associated with sauna use and that individuals with medical conditions consult a physician before using the sauna.
- Avoiding any modifications or alterations to the heater or sauna components. Any unauthorized changes void the warranty and may result in unsafe or hazardous operation.

**Indemnification** The buyer agrees to indemnify, defend, and hold harmless Homecraft Saunas from any claims, damages, liabilities, losses, costs, or expenses (including legal fees) arising from improper installation, misuse, or failure to follow provided guidelines. For technical support or warranty-related inquiries, please contact Homecraft Saunas Customer Support.

# Heater Warranty:

THE BUYER IS RESPONSIBLE FOR THOROUGHLY REVIEWING THIS USER MANUAL AND FOLLOWING ALL INSTALLATION AND OPERATING INSTRUCTIONS. FAILURE TO COMPLY WITH THESE GUIDELINES, MISUSE OF THE SAUNA HEATER, OR ANY UNAUTHORIZED MODIFICATIONS WILL VOID THE WARRANTY.

**WARRANTY COVERAGE (2 YEARS – MANUFACTURED COMPONENTS)**
THIS WARRANTY APPLIES EXCLUSIVELY TO HOMECRAFT - ELECTRIC HEATERS THAT HAVE BEEN INSTALLED AND OPERATED IN ACCORDANCE WITH THIS MANUAL. IF A MANUFACTURING DEFECT IS CONFIRMED, THE BUYER MAY REQUEST REPAIR OR REPLACEMENT WITHIN THE WARRANTY PERIOD. ALL WARRANTY CLAIMS MUST BE SUBMITTED WITHIN THE VALID WARRANTY TERM SPECIFIED AT THE TIME OF PURCHASE.

**WARRANTY LIMITATIONS**
THIS WARRANTY DOES NOT COVER:

- HEATING ELEMENTS, AS THEY ARE CONSIDERED CONSUMABLE COMPONENTS.
- NORMAL WEAR AND TEAR ASSOCIATED WITH REGULAR SAUNA USE.
- COSTS RELATED TO ELECTRICIANS, INCLUDING DIAGNOSTIC TESTING, REWIRING, OR ANY ELECTRICAL WORK REQUIRED FOR INSTALLATION OR TROUBLESHOOTING.

**WARRANTY EXCLUSIONS**
THE WARRANTY IS VOID IF:
THE PRODUCT HAS BEEN DAMAGED DUE TO NEGLIGENCE OR IMPROPER HANDLING.
THE PRODUCT WAS NOT INSTALLED ACCORDING TO THE INSTRUCTIONS PROVIDED BY HOMECRAFT SAUNAS.
THE PRODUCT HAS BEEN MODIFIED, TAMPERED WITH, OR ALTERED IN ANY WAY.

FOR ASSISTANCE OR TO SUBMIT A WARRANTY CLAIM, PLEASE CONTACT HOMECRAFT SAUNAS CUSTOMER SUPPORT.

# Our Guide to a good sauna

A great sauna is experienced when you can find the perfect balance of Heat, Steam and Ventilation. The Heat & Steam portion is where our Sauna heaters come into play and we have designed our heaters with just that in mind. Heating up to the maximal allowable temperatures in North America and designed to take water onto the
rocks to product the desired amount of steam & humidity to create an amazing sauna experience.

IT'S TIME TO SAUNA

1.Take a Shower before sauna use and dry off. Dry skin sweats faster then moist skin 2. First Session; Stay in the sauna for around 15 minutes to get your first sweat.
a. Listen to your body and pay attention to how you are feeling.
b. Use a towel to protect your skin from the high heat of the wood
c. You can sit or lay down but before leaving sit up for a few minutes to d. The higher you sit the hotter the temperature in the room
3.Cooling off: A cold bucket of water, a cold shower or ice bath are a great way to rejuvenate after the session. Hot to cold therapy has proven benefits.
4.Resting Period: Move to some fresh air to relax your body. Use a bathrobe or tower to not cool down to much. Usually a break from the sauna can be between 15-25 minutes. Oftentimes this is a social time to relax with friends and enjoy time together.
5. Begin the sauna cycle once again and continue this for 2-3 full sessions to get the best benefits. The purpose of the sauna is not to suffer but to create a formula of good heat, cold, community and relaxation.

## Thank You from Homecraft

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