Homecraft Saunas

Revive

6kw, 7.5kw, 9kw
240v
208v

INSTALLATION MANUAL

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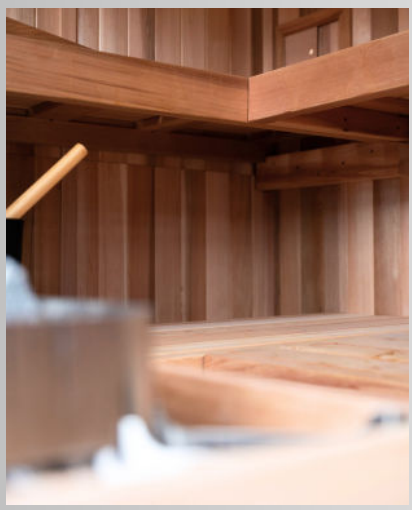
NOTE: THESE HEATERS ARE ETL APPROVED FOR PERMANENT INSTALLATIONS AND ELECTRICAL CONNECTIONS. BUILT WITH SPLASH PROOF CONSTRUCTION, THE CONDUCTING PARTS ARE PROTECTED AGAINST WATER. ALL WIRING MUST BE PERFORMED IN ACCORDANCE WITH NATIONAL AND LOCAL CODES.

SAFETY & WARNINGS



1. See applicable warnings provided on the sauna heater for reference
2. The sauna heater must have rocks placed correctly as per manufacturer's instructions. The Heater is never to be run without rocks
3. Make sure enclosed elements are covered with stones, and the stones have sufficient spacing for air movement
4. This Sauna Heater must be secured, with the provided safety brackets, to the floor and back wall for safe use.
5. Sauna doors must always open outwards, should never have a latch or lock that could cause entrapment Homecraft Doors use a safe roller latch
6. Never touch a heater that is turned on
7. Do not leave small children in the sauna room alone
8. If you have pre-existing health conditions please consult your doctor before using the sauna
9. No receptacle shall be installed inside a sauna room

Prolonged use in a Sauna room could result in Hyperthermia. Symptoms include but are not exclusive to:

- 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 or unconsciousness

Warning:

- The use of alcohol, drugs, or medication is capable of greatly increasing the risk of fatal hyperthermia
- The safety to combustibles for the Revive Slim Sauna heater (4kw, 5kw, 6kw) is 3.5" inches to combustible materials.
- Always check to ensure the sauna heater is turned off after use. Yearly maintenance and cleaning, regular inspection of the sauna rocks is important
- This Homecraft appliance may not be used by persons with reduced physical, sensory or mental capabilities, or by persons lacking experience and knowledge regarding its operation
- Ensure the correct, suitable breaker panel with a correct circuit breaker shall be provided at installation
- Do not use a GFCI Breaker for sauna heater unless local electrical codes apply

CAUTION: If the manually resettable temperature-limiting control trips frequently, a qualified service-person shall be contacted

ATTENTION: Si le limiteur de temperature a réenclenchement manuel se dé clenche souvent, appelez un réparateur qualifié.

CAUTION: Avoid a Fire, do not place combustible materials on the sauna heater

ATTENTION: Evitez les incendies, ne places aucune matière combustible sur le chauffe-sauna.

CAUTION: Do not operate without rocks-use only safe, igneous rocks on the heater

ATTENTION: Ne pas faire fonctionner sans pierres. N'utiliser que des pierres ignées.

CAUTION: Do not install shows heads or water spray devices above the sauna heater

ATTENTION: Ne pas installer de pommes de douche ni d'autres dispositifs d'arrosage au-dessus du chauffe-sauna.

CAUTION: For supply connections, use 14 AWG or larger wires suitable for at least 105°C ."

ATTENTION:"Pour les connexions d'alimentation, utilisez 14 AWG ou des fils plus grands adaptés pour au moins 105°C."

Heater Specifications

240v Electrical Specifications

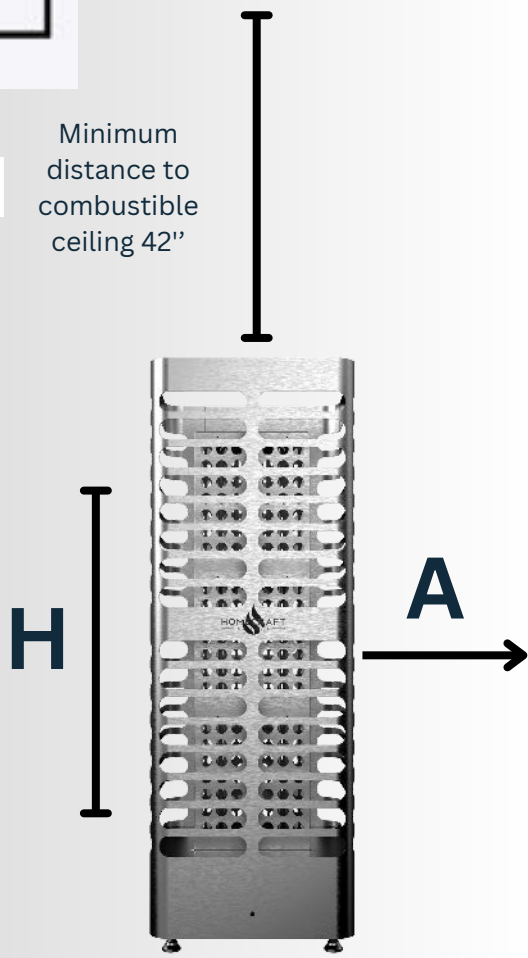
Revive 240v 1phase	Output 240v	Room Cubic Mt Cubic Ft	Amps	Circuit Breker	Wire Size
Revive 6kw	6000w	7.1 -8.5 250-300	25	40	8
Revive 7.5kw	7500w	8.5-10.5 300-370	31.3	40	8
Revive 9 kw	9000w	10.2-12.7 360-450	37.5	50	8

208v Electrical Specifications

Revive 208v 3phase	Output 208v	Room Cubic Mt Cubic Ft	Amps	Circuit Breker	Wire Size
Revive 7.5kw	7500w	8.5-10.5 300-370	20.9	30	8
Revive 9 kw	9000w	10.2-12.7 360-450	25	40	8

Safety Distances to Combustibles materials

Safety to Combustibles	A	Minimum Distance to ceiling	Height	Heater Size
Revive 6kw	3.5"	42"	36"	14" x 14" x 36"
Revive 7.5kw	3.5"	42"	36"	14" x 14" x 36"
Revive 9kw	3.5"	42"	36"	14" x 14" x 36"



GENERAL SAUNA OPERATION & MAINTENANCE

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- IT IS IMPORTANT TO HAVE A YEARLY ROUTINE OF CLEANING AND REARRANGING THE SAUNA STONES TO REMOVE OLD AND WEATHERED STONES REPLACING THEM WITH NEW STONES.
- HOMECRAFT SAUNA SEALANT IS A PROTECTIVE, WATER BASED, PRODUCT THAT SHOULD BE APPLIED TO THE SAUNA ROOM EVERY 2-3 YEARS FOR MAINTAINING WOOD QUALITY
- SAUNA ROOM INFORMATION:

SAUNA ROOM INFORMATION
1.2. THE WALLS AND CEILING OF A SAUNA ROOM SHOULD BE THERMALLY WELL INSULATED. ALL SURFACES THAT STORE HEAT, SUCH AS TILED AND PLASTERED SURFACES MUST BE INSULATED. IT IS RECOMMENDED TO USE PROPER WOOD PANEL CLADDING INSIDE THE SAUNA ROOM. IF THERE ARE HEAT STORAGE ELEMENTS IN THE SAUNA ROOM, SUCH AS DECORATIVE STONE, GLASS ETC., NOTE THAT THESE ELEMENTS MAY EXTEND THE PRE-HEATING PERIOD EVEN THOUGH THE SAUNA ROOM IS OTHERWISE WELL INSULATED (SEE PAGE 6, SECTION 2.7 PREPARING FOR SAUNA HEATER INSTALLATION).

HEATER GUARD
THE HOMECRAFT HEATER GUARD IS DESIGNED TO KEEP THE HEATER AT THE SAFELY TESTED SPACE FROM COMBUSTIBLE MATERIALS. THE HEATER GUARD IS INSTALLED SIMPLY BY ATTACHING THE BRACKETS TO THE SAUNA. A HEATER GUARD MUST BE INSTALLED ON EVERY UNIT FOR SAFETY PURPOSES. EACH GUARD MUST BE INSTALLED WITH THE SUPPLIED SCREWS. NEVER REMOVE THE HEATER GUARD.

VENTILATION:
PROPER VENTING AND POSITIONING OF SAUNA VENTS WILL PREVENT NUISANCE TRIPPING OF THE HIGH LIMIT TEMPERATURE SWITCH AND WILL ALSO RESULT IN A MORE COMFORTABLE SAUNA EXPERIENCE. IDEALLY, INTAKE AND EXHAUST VENTS ARE PLACED ON OPPOSITE WALLS. IT IS NOT RECOMMENDED TO USE ANY POWERED INTAKE / EXHAUST FANS. REPLENISHING OXYGEN WITH PROPER VENTILATION IS IMPORTANT FOR THE ENJOYMENT OF THE SAUNA EXPERIENCE.

HOMECRAFT VENTED DOORS COME WITH AN EXHAUST VENT INSTALLED WHEREAS THE HOMECRAFT WINDOW DOOR AND FULL WINDOW DOOR DO NOT HAVE A VENT INSTALLED IN THE DOOR. HOMECRAFT MANUFACTURED DOORS ARE INTENTIONALLY PROVIDED WITH A GAP FOR AIRFLOW UNDER THE DOOR.
SECURING THE SAUNA HEATER & BACK MOUNTING BRACKET:

SECURING THE SAUNA HEATER & BACK MOUNTING BRACKET:
HOMECRAFT HAS PROVIDED TO SAFETY BRACKETS WITH THE ADJUSTABLE SAUNA LEGS. PLACE THE BRACKET ONTO THE ADJUSTABLE SAUNA LEG AND INSERT THE ADJUSTABLE LEG INTO THE BASE. SECURE, WITH SCREWS, THE HEATER TO THE FLOOR.

ONCE LEGS ARE SECURED INTO THE HEATER AND HEATER IS LEVELLED, SECURE THE HEATER TO THE FLOOR USING SUITABLE FLOORING SCREW

Sauna Rocks

Quality rocks meet the following requirements:

- Please be aware that the inner components of the sauna can be sharp and it is recommended to use gloves or sufficient precautions while loading the sauna rocks
- Ensure that there is sufficient airflow between the rocks to allow heat to escape the air-flow system avoiding unwanted high-limit issues.
- Sauna rocks should withstand heat and heat variation caused by vaporization of the water thrown on the stones.
- Rocks should be rinsed before use in order to avoid odour and dust.
- Sauna rocks should be reviewed after 12 months of use. Removing worn or broken stones and replacing with new sauna stones
- Sauna rocks should be large enough, measuring about 2-5 inches to allow good ventilation between the stones. This extends the useful life of the heating elements.
- Sauna rocks should be piled sparsely in order to enhance ventilation between the stones. Do not bend the heating elements together or against the frame.
- Using rocks not sourced or provided by Homecraft Saunas will void the warranty of the Sauna heater
- Larger rocks should be placed on the bottom of the heater while saving the smaller rocks for the top 9 inches of the heater
- Rocks should be placed until they sit to the top of the heater ensuring that the element protector is fully covered or encased with rocks.

The warranty does not cover defects resulting from poor ventilation caused by small and tightly packed stones. Structural clay tiles are not allowed. They may cause damage to the sauna heater that will not be covered by the warranty.
Do not use soapstone as sauna rocks. Any damages resulting from this will not be covered by the stove warranty.
Do not use lava stone as sauna rocks. Any damages resulting from this will not be covered by the stove warranty.

DO NOT UNDER ANY CIRCUMSTANCES USE HEATER WITHOUT STONES.

Preparing for Install

Check the following before installing the sauna heater.

- Please ensure that the heater is the recommended heater for the size of the sauna room and that your heater will be safely placed within the proper distances to combustibles
- A sauna room that is uninsulated or has masonry stone walls will extend the preheating time for the sauna heater. Each square meter of plastered ceiling or wall surface adds 1.2 m3 to the sauna room's volume.
- Ensure that the suitable electrical specifications have been met that match your specific sauna heater.

Installation of Sauna Heater

- Follow the safety clearance specifications on page 6 when installing the sauna heater.
- The sauna heater is a floor-standing model. The base or floor must be solid, because the sauna heater, with rocks can weigh up to 180-200 pounds.
- The sauna heater is levelled by the adjustable legs to ensure the heater is always level.
- The sauna heater needs to be fixed directly onto the floor, wall or to the sauna bench module by using suitable anchors provided by Homecraft.
- Walls or ceilings must not be clad with fibre reinforced plaster board or other light-weight cladding, because they may cause a fire hazard.
- If the sauna heater will not heat up, please check that:
- The power is on
- The main fuses of the sauna heater are intact
- If there any error messages on the sauna control panel. In case of an error message on the control panel
- Please refer to the control panel instructions.

Heating the Sauna

Before turning the sauna heater on, make sure the sauna room is safe & suitable for taking a sauna. When heated for the first time, the sauna heater may emit some odours. It is recommended to run the brand new sauna heater for 1-2 hours to cure the sauna heater.

The Homecraft Revive Sauna heater has an upper temperature limit of 90 degrees Celsius (194 Fahrenheit) and can be run for cycles of up to 60 minutes.

Manual Safety Switch (High-limit switch)

All Homecraft Sauna Heaters have a thermal safety switch to prevent overheating. If the sauna heater switches off due to an abnormal operating condition let the heater cool down then reset the safety switch by inserting a non-metallic object into the small hole on the font of the heater.

** If the "reset safety switch" trips frequently, please contact either a qualified serviceperson or contact Homecraft directly.

** Si le limiteur de temperature a reenclenchement manuel se déclenche souvent, appelez un réparateur qualifie.

Installing the sauna control

Installing the temperature Sensor

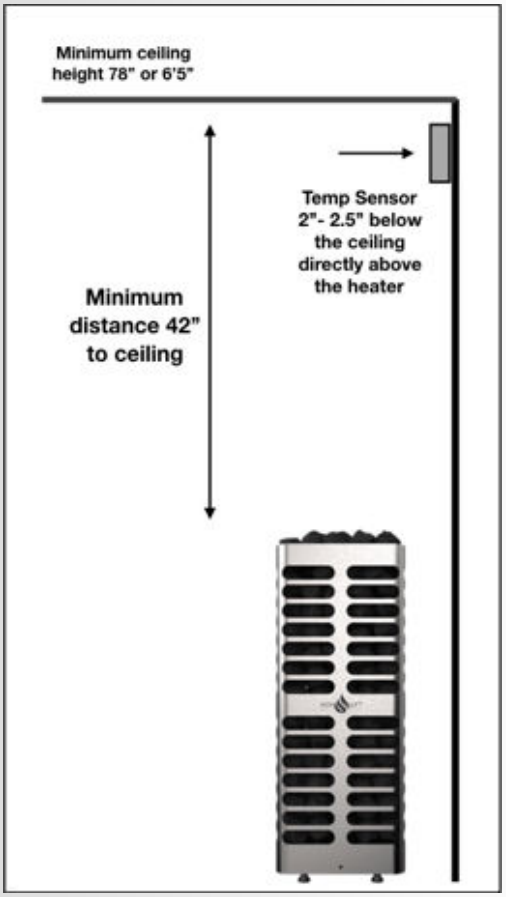
Step 1: Attach the Temperature Sensor, with the supplied connectors, to the 3658mm (12 Ft) length of 18/2 wire. If you require a longer distance between the sensor and the Digital Sauna Control buy a new continuous length of 18/2 wire and attach the sensor to it. Do not slice into the wire supplied.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

Sensor Cover Installation

Step 1: Homecraft has supplied #6 wood screws and a flat washer; fasten the sensor to the sauna wall over the sauna heater in the prescribed position 64mm (2 1/2") below the ceiling.
Step 2: Fasten the sensor cover to the wall using the 4 supplied #6 wood screws, covering the sensor and taking care not to nick or cut the wires leading to the sensor. Be sure to remove the protective plastic film from the stainless steel sensor cover shown on page 8. The sensor cover is designed to allow for adequate airflow and protects it from any damage or tampering.

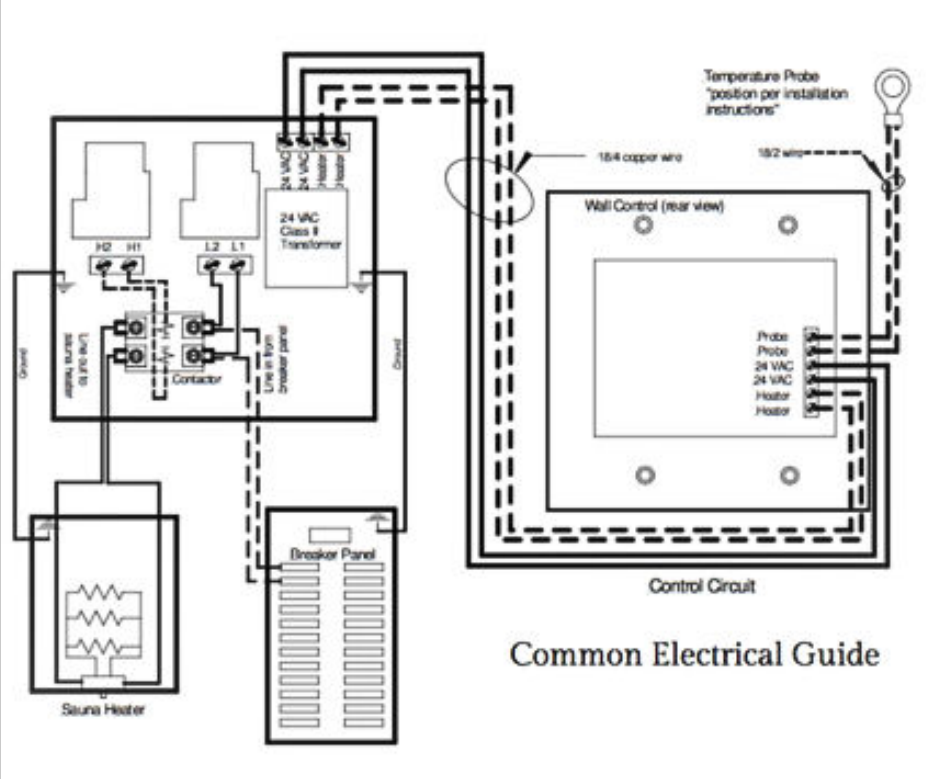
Corner and wall installations:
The Homecraft provided Temperature Sensor (thermistor) is installed 2'' - 2.5'' from the ceiling and should be installed in-line with the heater. Alternatively, the sensor can be installed on the ceiling above the centre of the heater
Middle installation: If the sauna heater is installed further than 3.5" off a wall or a corner, the installation method is always middle installation. The heater must be attached to the benches or to a similar structure using a wall support.
The heater must be secured to the floor or the sauna bench structure in order to keep the safety distances the same using the supplied support brackets

*** All Homecraft sauna heaters must be installed by a qualified electrician and in compliance with current / local regulations. All wiring to the sauna heater and accessories must be routed away from any direct heat radiating from the sauna heater. Install the control box on the outside of the sauna room in a location that is readily accessible for maintenance.
It is not recommended to install any electrical receptacles inside the sauna room.



Relay Control Box:

The "Relay Control Box" contains the 24volt Class 2 transformer and a magnetic contractor. 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 3658 mm (12 ft) of 18/4 wire is supplied with this control for connecting the Relay Control Box to the Digital Sauna Control so be sure to keep within this distance.



Digital Control for a Homecraft Sauna Heater

A Digital wall-mount Sauna Control panel is precise and offers features for the safe operation of your sauna heater. A normal sauna control is a Class 2 24volt circuit and does not require a GFI breaker. Be sure to check with your local inspection authority.

The Standard Homecraft sauna controls require a standard 2 gang electrical box. This box should be mounted on the outside wall of the sauna.

The typical sauna control consists of the following components:

- A "Relay Control Box" containing a 24volt Class 2 Transformer and relays, and a magnetic contactor that is prewired.
- A digital "Wall Control Panel" that mounts to a 2-gang electrical box (supplied by owner) by which you set your time and temperature C. A package containing wire, temperature sensor, temperature sensor cover, electrical connectors, and 4 faceplate screws required for installation.
- Please refer to the enclose wiring schematic which clearly shows the path of the wiring (Page 11)
- Connect the 18/4 wire to the appropriate connections in the Relay Control Box. Do not splice onto the 12 ft. length of 18/4 wire if more wire is needed.
- Be sure to connect coloured wires consistently between the Relay Control Box and the Digital Sauna Control as per the wiring diagram

CAUTION: Use only a contactor approved for 250,000 cycles

ATTENTION: Utiliser uniquement un contacteur approuve pour 250 000 cycles de fonctionnement

Warranty Terms:

- The buyer is obligated to read the user manual and follow the instructions and requirements presented. Damage to the product caused by not following the instructions or from improper sauna use, or tampering of the heater will void the warranty. If there are any defects on the sauna heater, where the manufacturer can be blamed, the buyer has the right to demand a replacement or repair of the product. All complaints must happen within the time period of the life of the warranty.
- Warranty applies only to electric heaters that have been used according to the instruction manual
- Warranty does not cover heating elements as they are considered a consumable part
- Warranty does not cover general wear that occurs from normal sauna use
- Warrant does not apply when:
- If Product has been damaged by carelessness.
- If Product has not been installed correctly.
- If Product has been modified or tampered with.

CONTACT US

Unit 216, 9654 192nd St, Surrey BC, Canada
604-888-3403
www.homecraftsaunas.com
Follow us on Instagram: homecraft saunas