

SAUNA MANUAL

PRISM

CASA BLUI

CONTENTS

This manual explains how to prepare the installation site, install, operate, and maintain your sauna. Read all instructions before installation or use, and keep this manual for future reference. Installation and electrical connections must be completed by qualified professionals.

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IMPORTANT SAFETY INSTRUCTIONS

SUPERVISION & SAFE ACCESS
• Children under 5 years old must not use the sauna. Older children require constant adult supervision.
• Users with reduced physical, sensory or cognitive capabilities, or insufficient experience, require proper supervision.
• Enter and exit carefully; wet steps and surfaces can be slippery. Do not run, jump or slide inside the sauna.
• Keep glassware and other breakable objects away from the sauna's area.

HEAT SAFETY — RISK OF BURNS
• Do not use the sauna if the heater guard, heater sensor, or any other component is missing, damaged, loose or improperly installed. Contact your dealer for service.
• Keep hair, loose clothing and jewelry away from heating elements and moving parts. Never sit or stand on the heater guard.

DOOR SAFETY
• After each use, make sure the door is properly secured. Replace a damaged door sensor. Prevent unauthorized access; a door sensor does not replace adult supervision.

ROOM TEMPERATURE & HEALTH
• Lower temperatures are recommended for children aged 5 and older and for prolonged use. Use caution when alone; overheating can cause fainting or dangerous falls.
• Pregnant or possibly pregnant women must consult a physician before use. Do not enter saunas above 95°F (35°C) or stay longer than 10 minutes when pregnant.
• Consult a physician before use if taking medication or if you have obesity, heart disease, high or low blood pressure, circulatory disorders, diabetes, clotting disorders or similar conditions.
• Shower before entering. Do not use the sauna if you have diarrhea or an infectious or contagious disease.
• Do not use the sauna immediately after strenuous exercise.

HYPERTHERMIA
• Prolonged sessions can raise body temperature above normal and cause dizziness, drowsiness, lethargy, fainting, impaired judgment, failure to recognize heat or the need to exit, inability to leave the sauna, fetal damage during pregnancy and dangerous falls.
• Exit immediately if uncomfortable, dizzy or sleepy.
• Alcohol, drugs or medication before or during use can cause unconsciousness or fatal hyperthermia.

INSTALLATION & MAINTENANCE SAFETY

INSTALLATION & ELECTRICAL SAFETY
RISK OF ELECTRIC SHOCK

• Read and follow all instructions before installation, operation or maintenance.

• Installation, wiring, grounding and bonding must be completed by qualified professionals; use a licensed electrician for electrical work. Follow the locally adopted National Electrical Code (NEC) and applicable state and local codes.

• Keep portable electrical appliances and devices at least 5 ft (1.5 m) from the sauna. Fixed installations must meet applicable electrical codes.

• Properly ground and bond the sauna and all required nearby metal components in accordance with applicable electrical codes.

• The electrical supply must have GFCI protection. Never bypass it. Test the GFCI before each use, following its manufacturer's instructions.

• If the GFCI test fails or an electrical fault occurs, disconnect power. Do not use the sauna or restore power until the fault is identified and corrected.

• Unauthorized modifications, tampering, misuse or improper maintenance may cause injury, death or damage and may void the warranty.

• Keep unauthorized persons away from installation and maintenance work areas.

MAINTENANCE & CHEMICAL SAFETY

• Before maintenance, disconnect all electrical supply circuits.

• Wear appropriate protective equipment during installation, maintenance and chemical handling.

• Use only manufacturer-approved products. Follow chemical labels and never mix concentrated chemicals together.

• Clean benches and backrests regularly, avoid oils and dust buildup.

• Keep tools and loose objects out of the sauna during installation and maintenance to prevent damage.

• Store chemicals in closed, original labeled containers, away from children, pets, heat and moisture. Never store them in the equipment compartment.

• Secure the sauna’s area against unauthorized access. Follow applicable state and local requirements for fences, gates and other barriers.

• Do not use the sauna during electrical storms or other severe weather.

• Dispose of packaging according to local regulations; keep it away from children and animals.

Contact the manufacturer if any instruction is unclear.
Keep this manual for future reference.

WARRANTY SUMMARY

This page summarizes selected requirements and exclusions in the separate Casa Blui Warranty Certificate. The Certificate governs if this summary differs. The following circumstances may affect coverage or service costs as specified there:

1. Installation or electrical connections that do not comply with applicable codes or the instructions supplied with the product.

2. Pre-installation or installation that does not follow the product's requirements, including work performed by personnel who lack the required qualifications.

3. Incorrect preparation of the installation site, including inadequate support, drainage, or service access. Related damage or additional service costs may be excluded, except where the Seller or an installer acting on its behalf was responsible.

4. Accidents or damage caused by noncompliant installation or use of the product.

5. Masonry work that prevents removal and handling of the product or its defective parts. The Buyer bears necessary product-removal costs; related damage or additional service costs are subject to the Certificate.

6. Failure to submit digital copies of the Pre-installation and Installation checklists. If the mandatory Pre-installation checklist is not submitted and approved before installation, claims related to the conditions it addresses are excluded. Unrelated claims remain eligible.

7. Failure by the installer to inspect the product before installation and promptly report discovered damage or defects to the Seller.

8. Failure by the installer, acting on behalf of the Seller or Buyer, to verify correct operation of the product and its components after installation, including proper installation.If this verification is not completed, claims concerning installation or startup operation addressed by the required verification are not covered.

COVERAGE EXCLUSION
Damage resulting from unusual or extraordinary weather conditions or climatic events is not covered by the warranty.

Important note:

This summary does not replace or amend the Warranty Certificate. Consult the certificate supplied with the product for complete terms.

PRE-INSTALLATION

1 MEASUREMENTS AND TECHNICAL SPECIFICATIONS 7

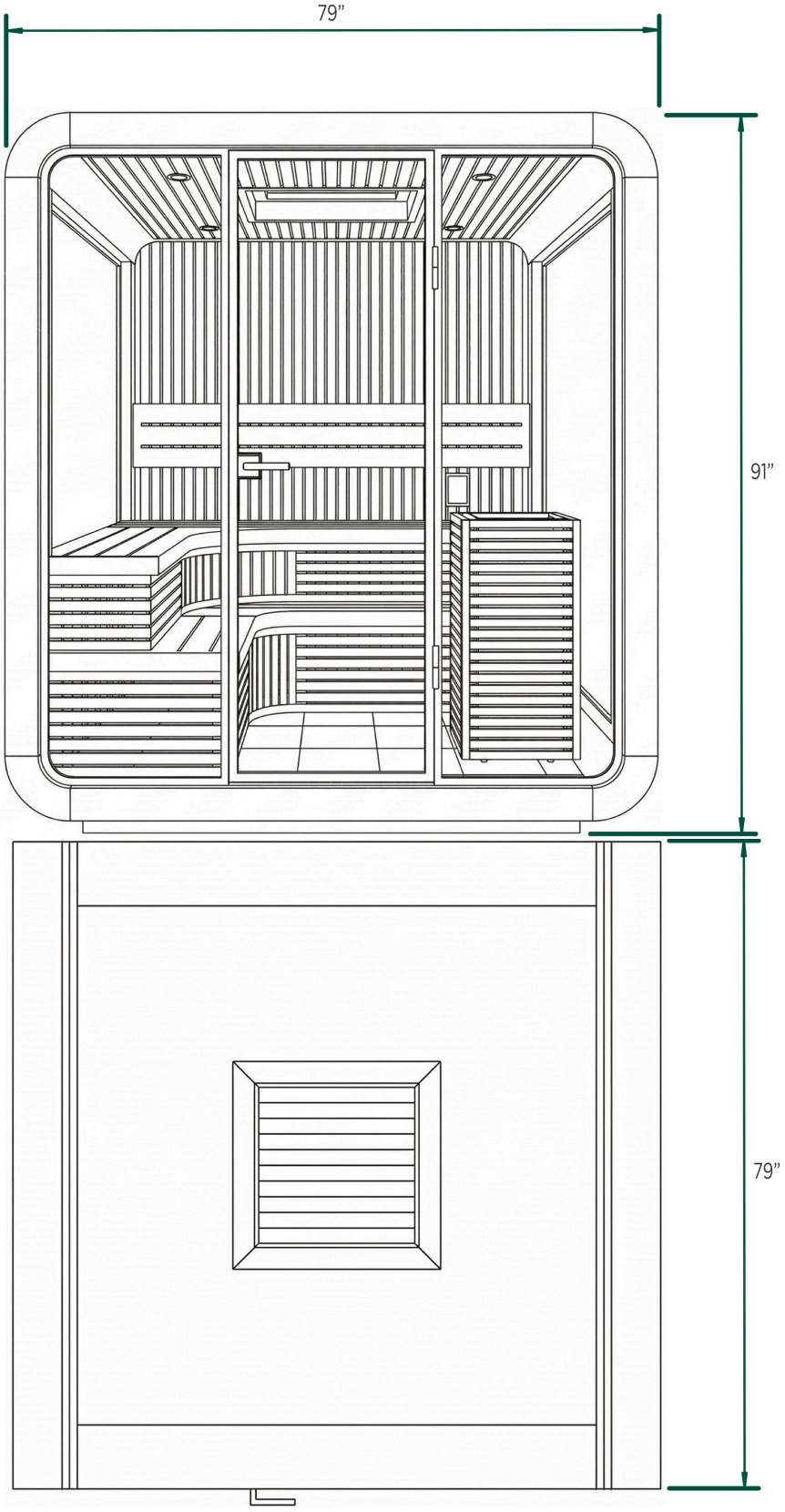
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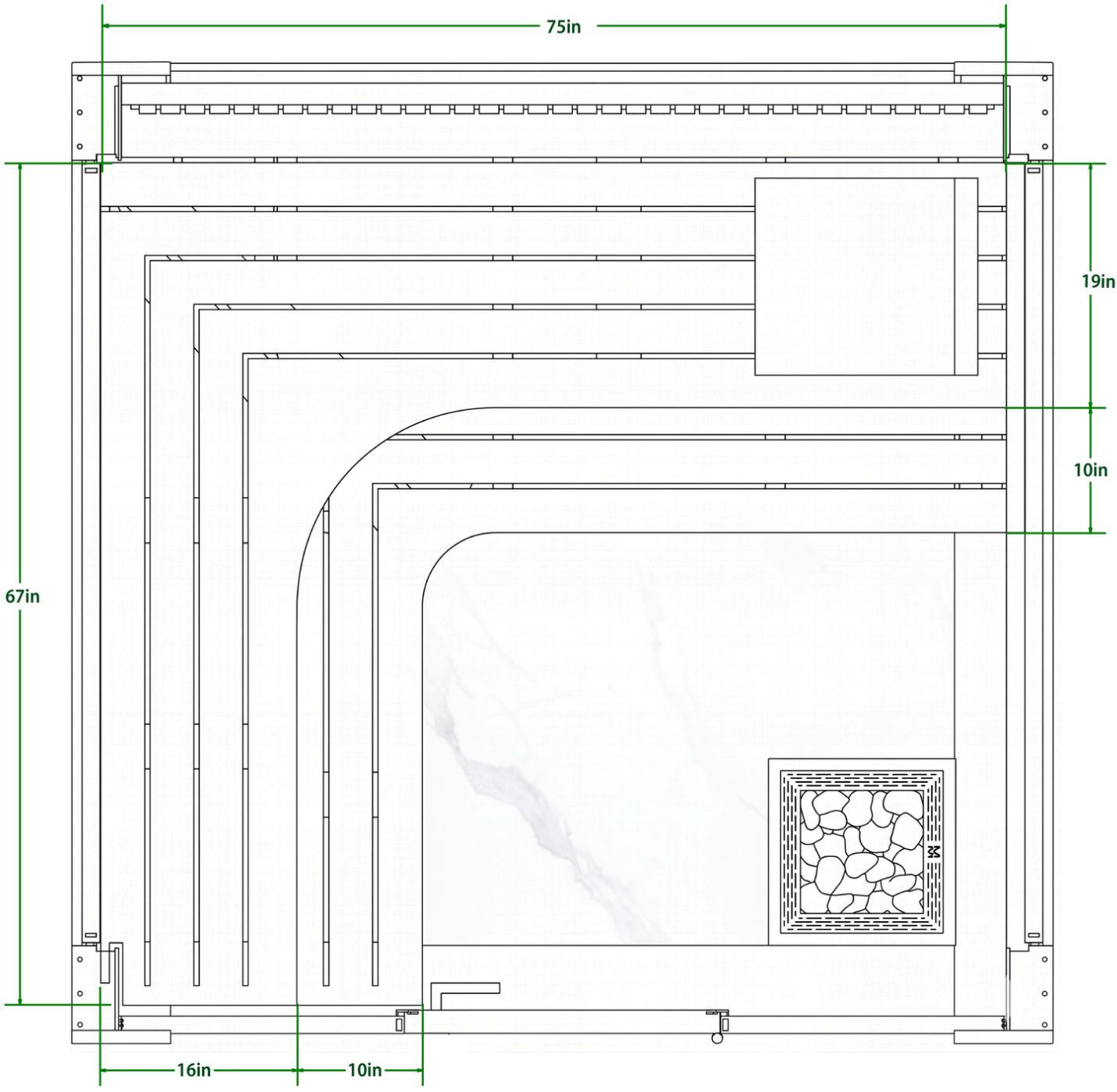
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1 MEASUREMENTS AND TECHNICAL SPECIFICATIONS

TECHNICAL DRAWINGS



The manufacturer reserves the right to make improvements to the equipment at any time, without prior notice.
Partial reproduction without the manufacturer's consent is prohibited.
Measurements are purely indicative and not binding.



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TECHNICAL SPECIFICATIONS



General information

Capacity:	🧍🧍🧍🧍
Glass type:	Tempered
External frame:	Structural aluminum
Interior finish:	Canadian Hemlock
Weight:	≈2,074 lb*
Outer dimensions	79″ × 79″ × 91″
Bench number:	2 x L-benches

Componentry details

Skylight:	Yes
Heater guard:	Yes
Sound system:	Yes, Bluetooth
Door sensor:	Yes
Control box:	Interior, under bench
Lighting:	Heat resistant LED
Heater type:	Steam heater
Control system:	Standard/huum
Heater supply:	Electric
Wifi/App:	YES

Packaging details

Number of packages:	4
Package type:	reinforced cardboard crate
Package weight (sauna):	2,094 lb
Package size (sauna):	82″ × 80″ × 97″
Stones provided:	Yes
Wheeled pallet:	Yes
Rec. moving equipment:	Forklift/crane

Electrical requirements

Heater power:	**9 kW**
Voltage:	240V - 60hz
Breaker box:	50A
Connection type:	Hardwired
min. Wiring gauge:	6 Awg

*≈ refers to measurements that are an estimate, subject to minor adjustments.

CASA BLUI'S SCOPE OF SERVICES

PRE-INSTALLATION

- User onboarding.
- Technician onboarding.
- Installer onboarding.
- Electrical system validation.
- Pre-installation requirement checklist validation

INSTALLATION

- Curbside unloading.

When the purchased service is Delivery & Installation, the following are also included:

- Positioning.
- Assembly.
- Electrical connection.
- Startup and functionality verification.

POST-INSTALLATION

- Post-installation follow-up meeting.
- After-sales assistance and app support.
- **Warranty coverage (consult Casa Blui's warranty certificate).**
- Technical support and warranty claim assessment.
- Arrangement and dispatch of partnered technicians in case of covered warranty claims.
- Provision and sale of required consumables, such as sauna stones, accessories, etc.

PRE-INSTALLATION, out of scope

- Supporting base structural design and validation.
- Supporting base & drainage construction work.
- Surrounding deck design and construction work, if any.
- Electrical system installation, including breaker box setup, conduit laying, and wiring whip.

INSTALLATION, out of scope

- Furnishing the product's surroundings.
- Providing or installing any accessories not included in the product's purchase agreement.
- Procurement of electrical supplies or tools during product startup.

POST INSTALLATION, out of scope

- Product modification/tampering.
- Installation of non-approved accessories requiring product intervention.
- Surface finish maintenance (when not related to a warranty claim).
- Sauna removal and disposal in case of replacement.

IMPORTANT NOTE:

All construction work sub-contracted by the Customer, including electrical work, supporting pad construction, decking, and other site work, **MUST** be carried out by certified and qualified professionals.

All sub-contracted construction work **MUST** be carried out according to the pre-installation requirements stated in this manual.

BEFORE DELIVERY

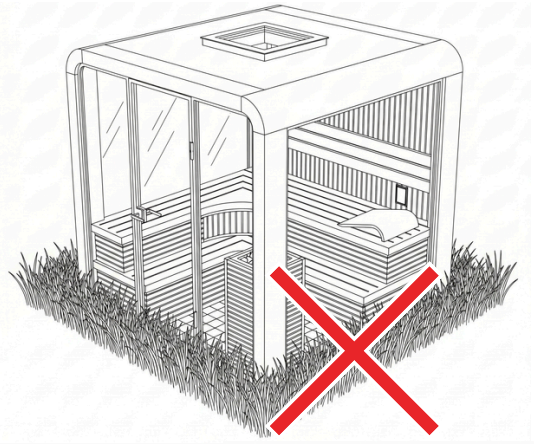
DELIVERY ACCESS

Check the delivery route for clear width and height, tight turns, slopes, steps and overhead obstructions. Confirm the approved transport position and the tools required for moving equipment with your dealer. Arrange specialist lifting where necessary.

Before installation, a qualified technician must complete and sign off the Pre-installation checklist referenced on **page 16** and retain the record with the installation documentation. **A digital copy of every checklist must be provided to your Casa Blui Installations manager.**

⚠ The customer must obtain all permits required **before** site preparation and arrange any preliminary inspections required by applicable state and local authorities. Verify barrier and controlled-access requirements.

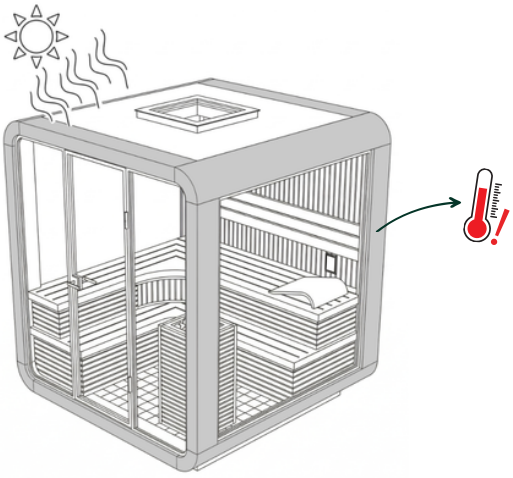
⚠ Before digging, follow state and local utility-location requirements. Have buried services identified and marked, and observe required waiting periods before excavation.

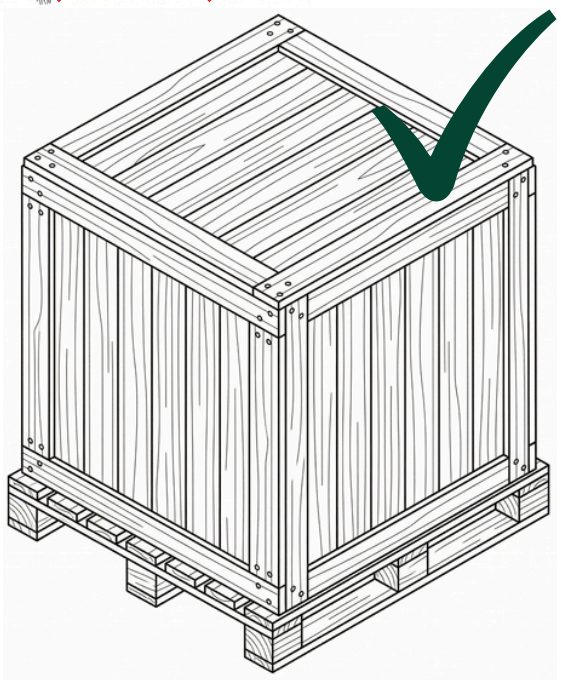


TEMPORARY SUPPORT

Have a qualified contractor prepare the site. Arrange installation promptly after delivery. If temporary positioning is necessary, confirm the approved support arrangement with Casa Blui before unloading. Keep the sauna level and supported in the approved locations.

⚠ The sauna is designed to withstand direct sunlight. However, please exercise caution, as the aluminum panels can become excessively hot. This can cause minor skin burns, especially on extremely sunny days. Please be careful.





2 SITE SELECTION

OUTDOOR INSTALLATION

Consider the best position to safeguard privacy and respect for others, as well as the best view or climatic position consistent with local regulations.

Take into account the proximity of trees or hedges, and note that debris (e.g., leaves) can cause damage to the equipment over time that is not covered by warranty and make maintenance more expensive and frequent.

GROUND CONDITIONS

Consider the geological composition of the soil on which the supporting platform will be built.

Soils that are very sandy, permeable or subject to flooding could compromise the durability of the sauna's support platform.

ELECTRICAL CLEARANCES

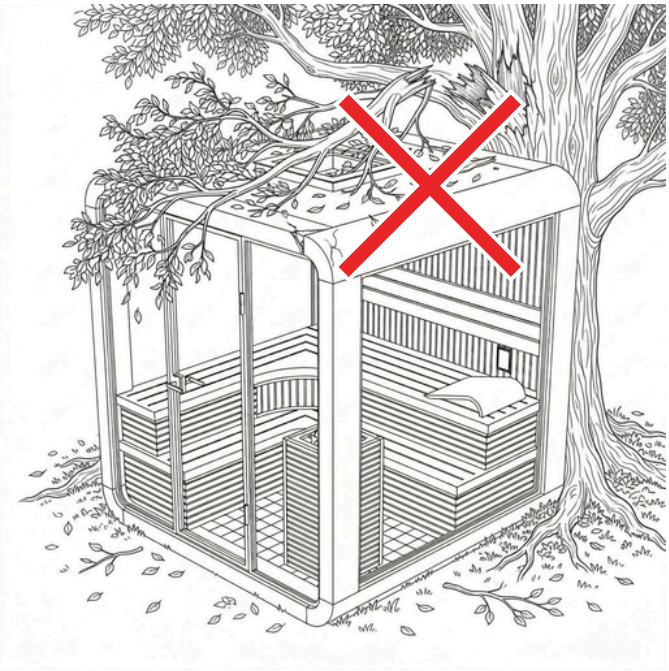
Fixed electrical installations, including outlets, switches and lighting, must comply with applicable local electrical regulations. Have a qualified electrician confirm the required clearances before installation.

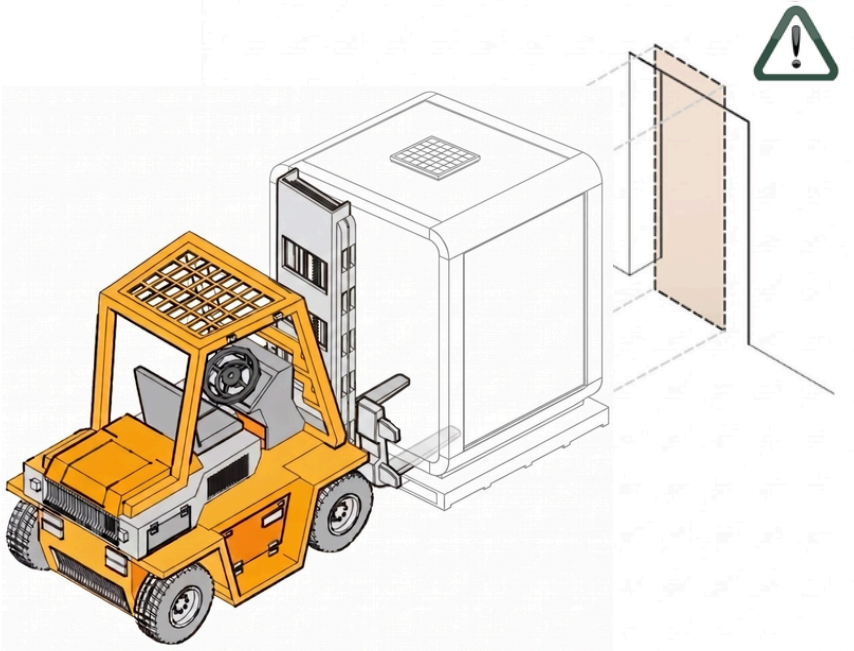
SERVICE ACCESS

Keep service panels removable and provide enough space to inspect, repair and replace installed equipment. Allow additional clearance for steps and cover-lifting accessories.

DELIVERY ROUTE

Keep the delivery and walking routes clear. Allow for the sauna, moving equipment and installed accessories. See Before Delivery on **page 11**.





3 FOUNDATION

⚠ Before construction, coordinate the connections and equipment access with your installer. See Electrical Requirements on **page 14**.

FREESTANDING INSTALLATIONS

Provide a level concrete slab at least **3.9 in** (100 mm) thick.

The pad must extend at least **2 in** (51 mm) beyond the sauna's footprint on every side.

Do not use wedges or shims to level the sauna.

The foundation must support the sauna's occupied weight (sauna and occupants) without settlement or uneven support. Have a qualified structural engineer verify the required capacity for the installation site.

Have a licensed electrician determine and complete the required bonding of reinforcing steel in accordance with applicable electrical codes.

Necessary installation features

1. A drainage grating around the perimeter to help preserve the equipment and the structure.
2. A non-slip flooring around the sauna.
3. The concrete pad described.
4. Leave 20" around the product.

PAD FOOTPRINT EXCAVATION

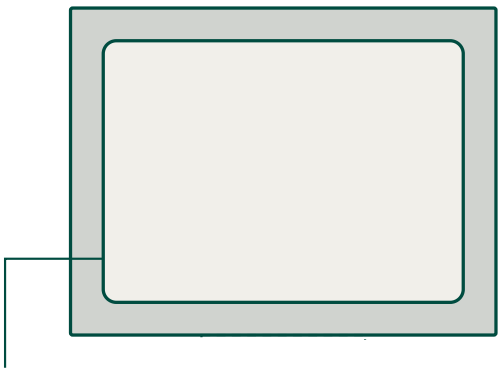
Before excavation, have underground utilities such as waterlines and wiring properly located.

In case that any underground feature exists within the intended pad footprint, make sure it is properly secured and protected prior to pouring, relocate or re-route the feature whenever possible.

Service Access
To ensure full serviceability and ease of access to all of the sauna's components, always make sure a minimum clearance of **20 in** is left on the unit's back and sides.

If a sauna is installed without adhering to this requirement, making its relocation **necessary for servicing**, the relocation must be arranged and paid for by the customer.

MINIMUM CONCRETE PAD



2 in minimum on every side

LEVEL SUPPORTING FOUNDATION



4 ELECTRICAL REQUIREMENTS

BEFORE ELECTRICAL WORK

Read and follow all instructions. Electrical installation must be completed by a licensed electrician in accordance with applicable state and local requirements and the instructions supplied with the purchased equipment.

SUPPLY AND PROTECTION

This edition covers the 6 kW heating configuration with a 240V-30A supply. Follow the equipment ratings and the wiring diagram supplied with the purchased unit.

A licensed electrician must select and install the required circuit protection, conductors and connections. External GFCI protection is required; the sauna does not include a GFCI.

Local code related requirements

GROUNDING, BONDING AND FIXED ELECTRICAL INSTALLATIONS

Use the equipment terminals identified for grounding and bonding. The electrician must determine the required conductors, connections and bonding of nearby metal components under the locally adopted electrical codes and equipment instructions. Do not interchange grounding and bonding functions.

EXTERNAL GFCI PROTECTION

⚠ **WARNING —** A licensed electrician must install external GFCI protection. The sauna does not include a GFCI.

BEFORE EACH USE
Test each GFCI following its manufacturer's instructions. With the sauna operating, press the GFCI TEST button in your breaker. The protected circuit must disconnect. Reset the GFCI according to its manufacturer's instructions and confirm normal operation.

IF THE TEST FAILS
If a GFCI fails to disconnect the sauna or cannot be reset correctly, disconnect all sauna electrical supplies until the fault has been identified and corrected.

⚠ The manufacturer is not responsible for connections that do not comply with local codes, the specifications in this manual, or unauthorized alterations to electrical components.

INSTALLATION

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2 DELIVERY INSPECTION 16

3 HANDLING AND POSITIONING 17

4 HUUM HEATER SETUP 18

5 HUUM UKU MIRROR INTERFACE SETUP 20

1 Pre-installation checklist

Before installation, a qualified technician must check and sign off the following:

Check that:
A reinforced concrete platform, with a minimum thickness of 3.9-4 inches, has been placed, perfectly flat, leveled and suitable for supporting the weight of the sauna and the people within. See **page 13**.

- Possible falling debris and other foreign objects that could damage the sauna have been assessed and cleared out.
- Drainage grating around the perimeter has been installed to help preserve the equipment and the structure;
- Non-slip flooring has been installed in the area around the sauna.
- Enough clearance was set between the sauna and any surrounding walls, so that maintenance access to the back of the unit is cleared at all times.
- A licensed electrician has completed and checked the electrical installation in accordance with applicable state and local requirements. See page 14.

SITE PREPARATION NOTES

OUTDOOR INSTALLATION

A licensed electrician must select and install the wiring and raceway system suitable for the site, in accordance with applicable electrical codes and the installed equipment's instructions.

Choose a location that avoids flooding and accumulated debris. Provide suitable non-slip flooring and keep equipment access clear. See Site Selection on **page 12**.

ACCESS CONSIDERATIONS

Since the sauna features a hinged door, always be mindful of the space required for full door opening and closing.

To ensure the door remains unobstructed at all times, make sure to leave a minimum clearance of 40 in at the front of the unit and maintain the access/exit area of the sauna clear of clutter and loose objects at all times.

2 DELIVERY INSPECTION

After unpacking, inspect the sauna and its components for the conditions listed below.

Check:
That there is no visible structural damage;

That there are no cracks in any of the windows or skylight (cracks due to incorrect transport or support are not covered by the warranty);

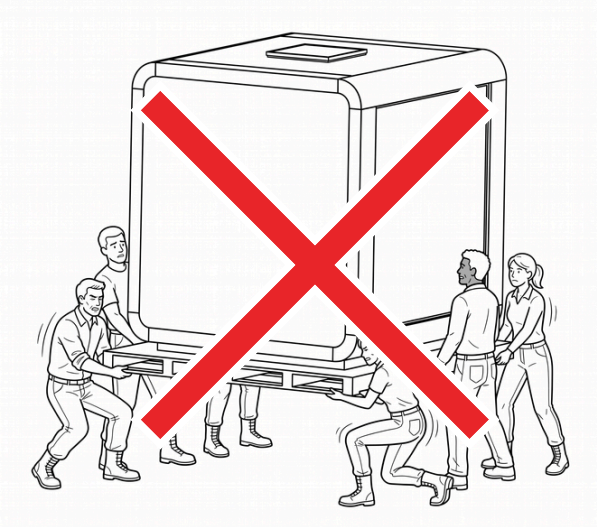
- That all sealing strips are in place;
- That benches and backrests are properly secured.

If you notice any anomalies, do not proceed with the installation but rather promptly contact the manufacturer.

3 HANDLING AND POSITIONING

TRANSPORT

To move the sauna to the place of installation a suitable lifting device (e.g., pallet jack) is required. Make sure that it can easily pass through any fences, archways and hedges to reach the desired place of installation.



APPROVED MOVING EQUIPMENT



Forklift ✓

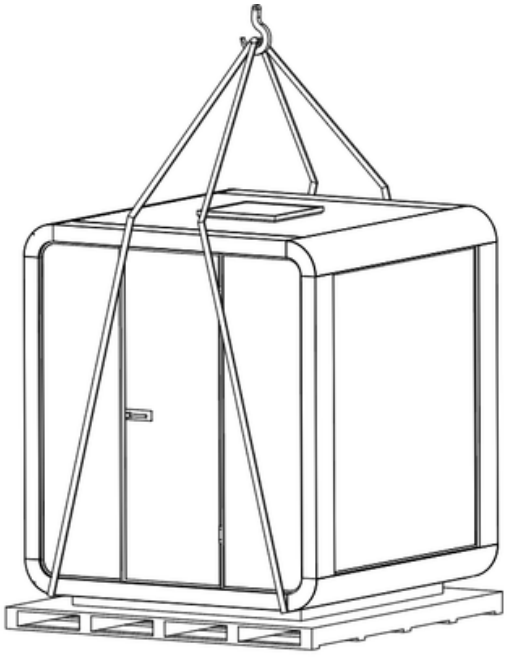


Crane ✓

⚠ Movement must be carried out using personal protective equipment (e.g., gloves, safety shoes, etc.) and taking all the necessary safety precautions for those involved and to not damage the sauna.



Use suitable equipment and only manufacturer-approved lifting points. Never lift by the window frames. Do not use the door handles as lifting points unless specifically approved.

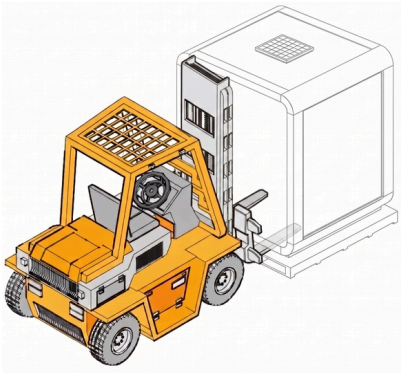


⚠ During movement, the surrounding area must be kept free of persons not involved in the operation, animals or objects (e.g., packaging, etc.) that could get in the way.

POSITIONING

TEMPORARY POSITIONING

If the sauna must be positioned temporarily before installation, place it vertically on a smooth, flat, level surface.

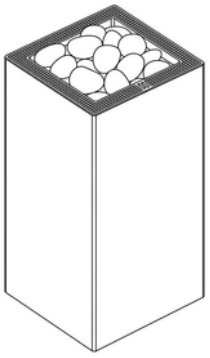


POSITIONING IN THE PLANNED LOCATION

During installation, position the sauna vertically, placing the whole base of the unit on a smooth, flat and level surface capable of supporting the full operating weight, and ensure proper drainage and ventilation where applicable.

Provide the confirmed service clearance and working space. Do not permanently cover access with concrete. Keep all supply circuits OFF during wiring. A licensed electrician must complete the connections before power is switched ON.

4 HUUM HEATER SETUP

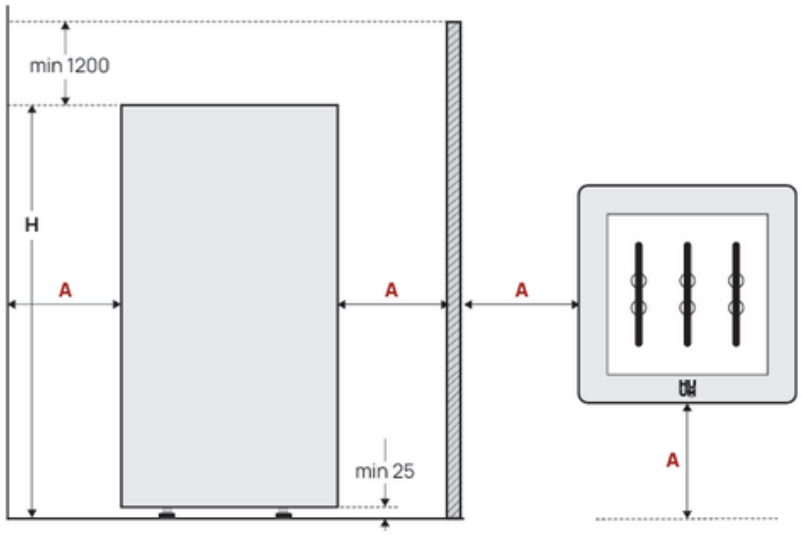


INSTALLATION

Positioning the heater

1. Check the following table for minimum safety clearances between the heater and its surroundings.
2. Place the heater in its dedicated position as shown in the diagram below the table.
3. The power input of the heater is located on the bottom cover of the heater.

Tabel 2	Output kW (240V)	Room*	Amps A	Circuit Breaker A	Wire Size AWG
CORE 6	6	177-318 ft³ 5-9 m³	25	30	8
CORE 9	9	283-460 ft³ 8-13 m³	37.5	50	8
CORE 11	11	354-566 ft³ 10-16 m³	43.75	50	8



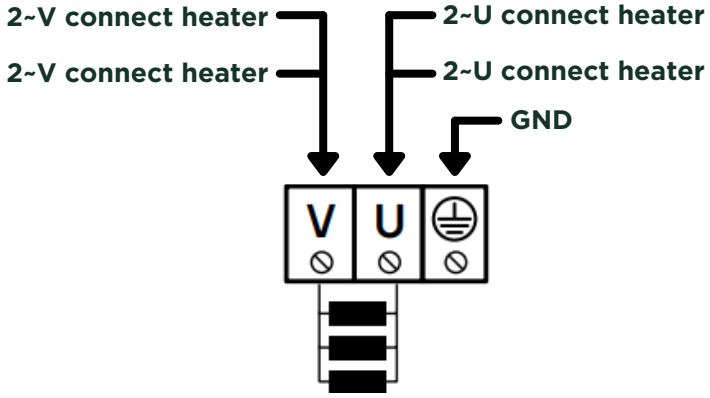
Tabel 1	Weight	Width	Depth	H	A	MIN gap
CORE 6	41.9 lb 19 kg	15.16 in 385 mm	15.16 in 385 mm	32.7 in 830 mm	2 in 50 mm	43.3 in 1100 mm
CORE 9	41.9 lb 19 kg	15.16 in 385 mm	15.16 in 385 mm	32.7 in 830 mm	2 in 50 mm	43.3 in 1100 mm
CORE 11	41.9 lb 19 kg	15.16 in 385 mm	15.16 in 385 mm	32.7 in 830 mm	2 in 50 mm	43.3 in 1100 mm

ELECTRICAL CONNECTIONS

Only CERTIFIED electricians are allowed to make electrical connections.

1. A rubber insulated - heat resistant cable should be used as the connection cable.
2. The maximum amperage in the cross-sectional area of the cable and circuit breaker has been provided in the table above.

It is forbidden to use a non-heat-resistant cable with PVC isolation as the power cable. When using the junction box in the sauna room, it should be waterproof and located at a maximum height of 50 cm from the floor.



Connection to heater.

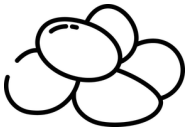
NOTE: All cords that run to the heater will be labeled with the additional legend **"CONNECT TO HEATER"**.

1. Open the cover of the heater's electrical box.
2. Take the cable into the electrical box through the rubber bushing.
3. Attach the power cable on the terminal block according to the circuit diagram.
4. Close the cover.
5. Fix the cable on the bushing with a cable strap.

Insulation resistance of the electric heater

During the first use of the heater the insulation resistance of the heating element might prove to be temporarily lower than the standard. The reason for that is the moisture seeped into the insulating layer during storage in the warehouse and transportation. The moisture evaporates in 1–2 hours of heating the electric heater.

LAYING THE HEATER STONES



Heater stone specs:

1. **HUUM CORE** electric heater needs **88.2 lb** (40 kg) of heater stones.
2. **HUUM CORE** electric heater requires stones of **5–10 cm in diameter** to function properly and maximize the lifespan of its components.
3. The use of round **stones** which complement the design of the heater and allow the steam water in the heater to move freely to the lower layers of stones is recommended.
4. **Natural stones (e.g. olivine diabase, olivine)**, which are sold specifically for use in sauna heaters, are recommended as heater stones.
5. We recommend **avoiding decorative stones** as they do not accumulate enough heat and break easily. Broken pieces of stone inside the heater **can block air holes and damage heating elements**.
6. Before laying, we recommend washing the stones clean of dust under running water.

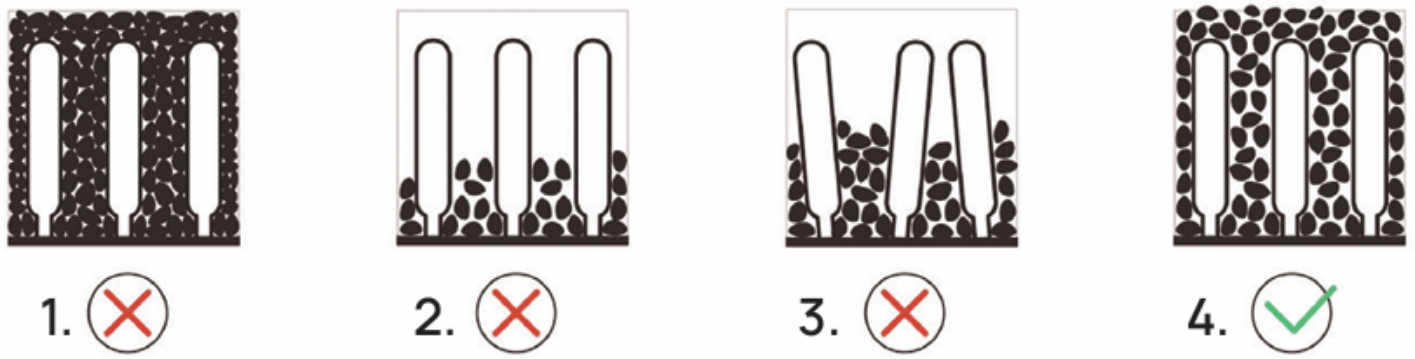
Instructions for laying the heater stones

1. **Use gloves to protect your hands when laying stones.**
2. Lay the stones one by one and don't pour or throw them into the heater.
3. Start with bigger stones, placing them to the bottom and to the sides. Use smaller stones to fix the larger stones in place and to fill in the narrower gaps.
4. Try to lay the stones as tightly as possible, but leave some room for air to circulate in the heater.
5. Lay the stones between the heating elements as well. This will help support the heating elements and prevent them from coming into contact. Take care not to push the stones too hard or bend the heating elements.
6. Stack the outer walls of the stone container as tightly as possible to prevent excessive heat from radiating onto the heater body.
7. On top of the heater the stones should completely cover the heating elements, make sure these will not be visible between the stones. Ladling water directly on the heaters shortens their life and produces unpleasantly pungent steam.
8. Check the condition of the stones once a year to remove broken pieces and replace them, if necessary.

The defects due to the use of unsuitable stones are not covered by warranty.

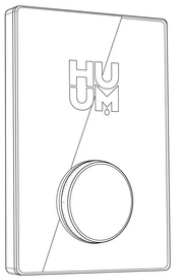
If the heating elements are not properly surrounded by stones, the safety distances given in Table 1 do not apply, as additional heat radiation to flammable surfaces will occur. Make sure that the heating elements are not visible from between the stones!

A too sparsely filled stone container can be a fire hazard, make sure the stones are carefully placed up to specification,



Too tightly filled. **Partially filled.** **Bent heating elements** **Correctly laid stones.**

5 HUUM UKU MIRROR INTERFACE SETUP



BEFORE INSTALLATION

• The device must be installed and serviced in strict accordance with this manual, and all local laws and requirements. You must obtain all required building and similar permits before commencing installation of the sauna equipment.

• All power must be turned off from the circuit when installing or maintaining the device.

• If you encounter problems that are not covered in this manual, contact the distributor that issued the device for assistance.

• It is not permitted to alter or rebuild the control device.

• The manufacturer has the right to make software updates to the device. You can find the latest version of the operation manual on our website (huum.eu).

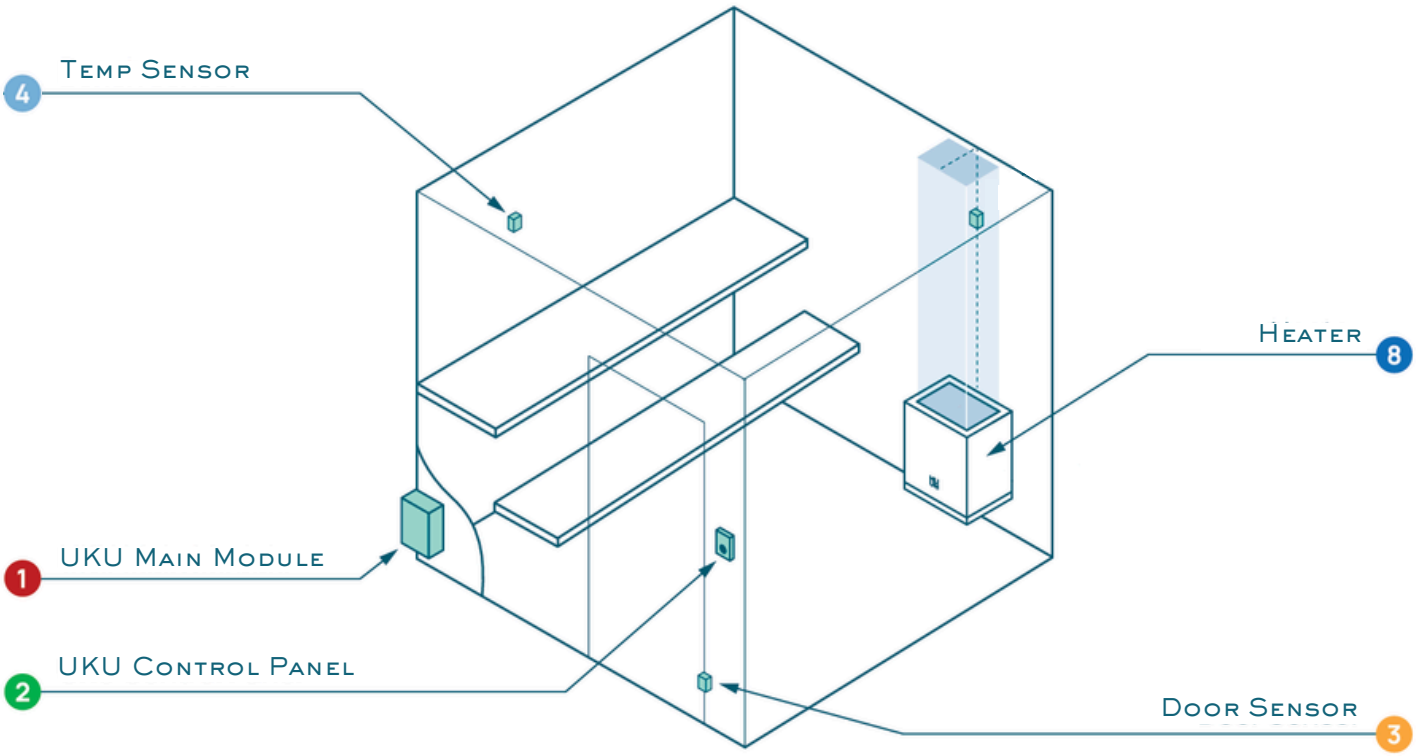
• Make sure supply conductors are properly sized as per tables. New wiring is recommended. Install it on a dedicated circuit.

• It is recommended to connect the control system to the mains without residual current circuit breaker.

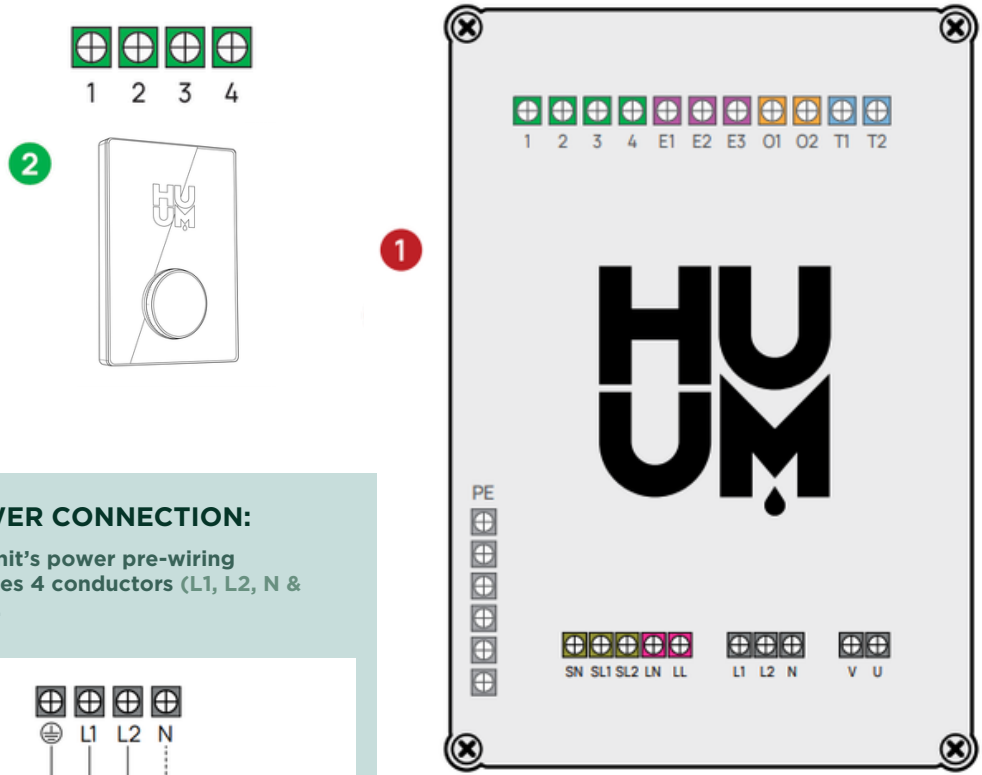
• The control system allows the sauna temperature to be set between 40 °C and 110 °C.

Control system parts and parameters required for installation

The parts of the control system and sauna details are marked with numbers in the text of the manual and in the figure below:

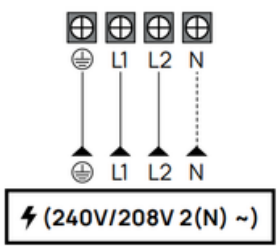


Sauna component diagram

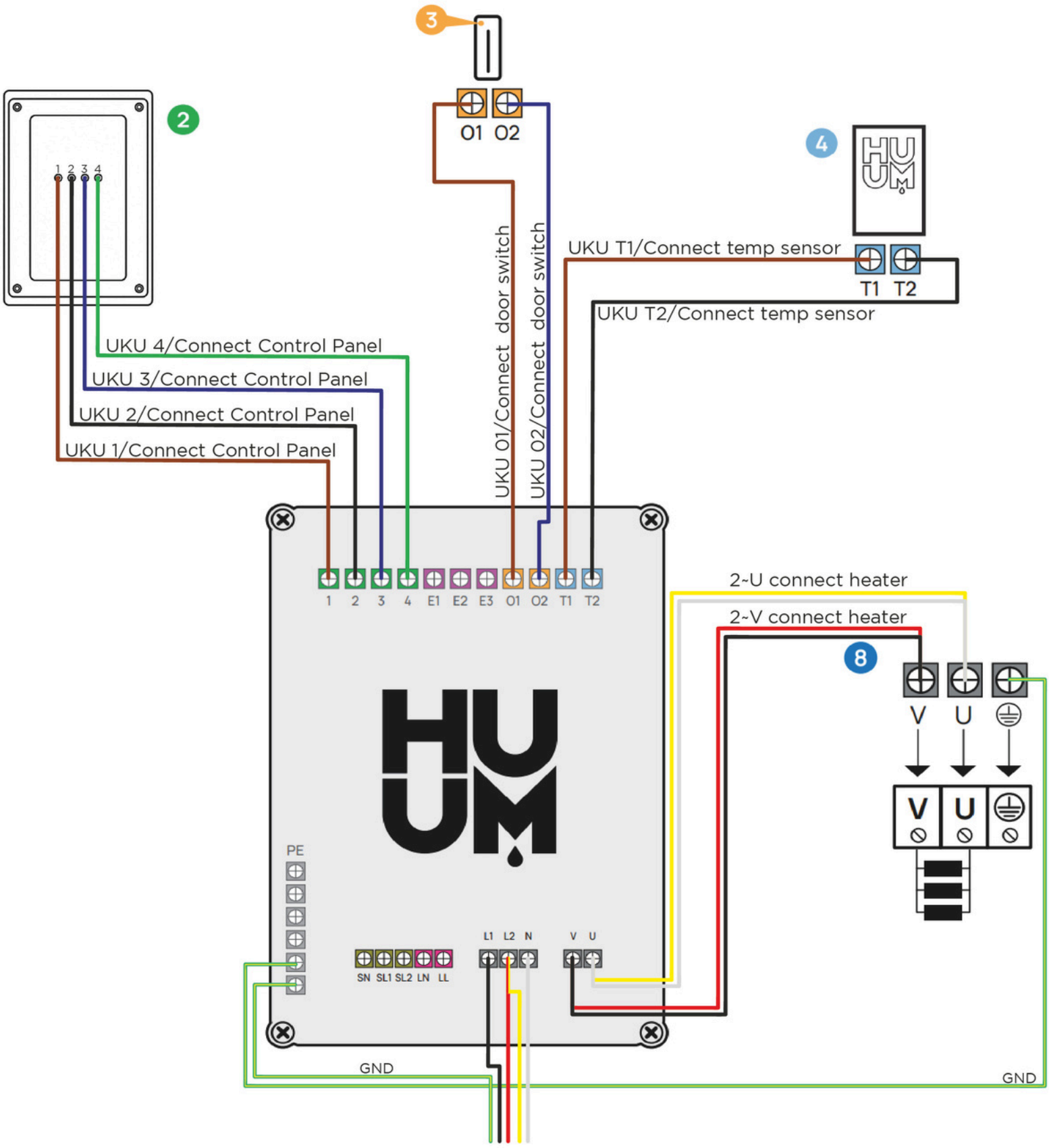


POWER CONNECTION:

The unit's power pre-wiring features 4 conductors (L1, L2, N & GND).



WIRING CONNECTION DIAGRAM



1 - MAIN MODULE

The main module is to be installed UNDER the back bench inside an insulated box, all wiring and electrical accommodations are routed by default to the cavity under the bench.





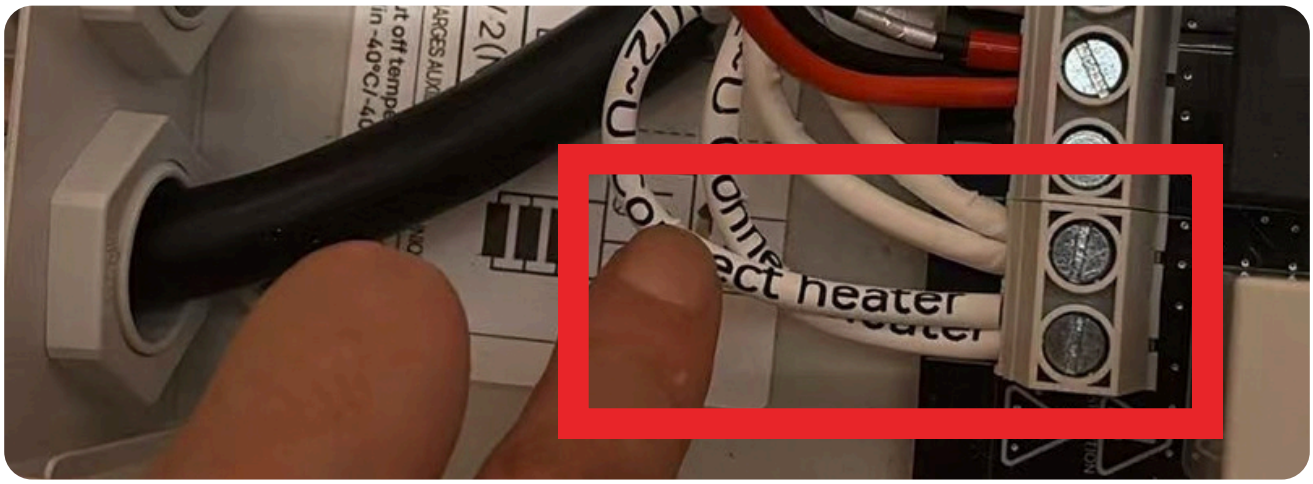
WARNINGS

MAIN MODULE

- **If the cable glands are not used, the IP class of the device does not apply!**
- **The main module must be permanently connected to the circuit. A circuit breaker must be installed to disconnect all poles from the mains. The heater's power cable should be SiHF-JB or similar. The cross-section of the cable depends on the power of the connected heater. See your heater's manual.**
- **Always have the correct cable size approved and installed by a qualified electrician.**
- **Crimping the power cable ends is mandatory. The compression of the metal sleeve ensures that the wire threads are held in place, minimizing the risk of loose connections that can cause electrical faults or pose safety hazards.**
- **We recommend leaving enough extra length in the cables to ensure easier installation.**

a) Heater connection to control box

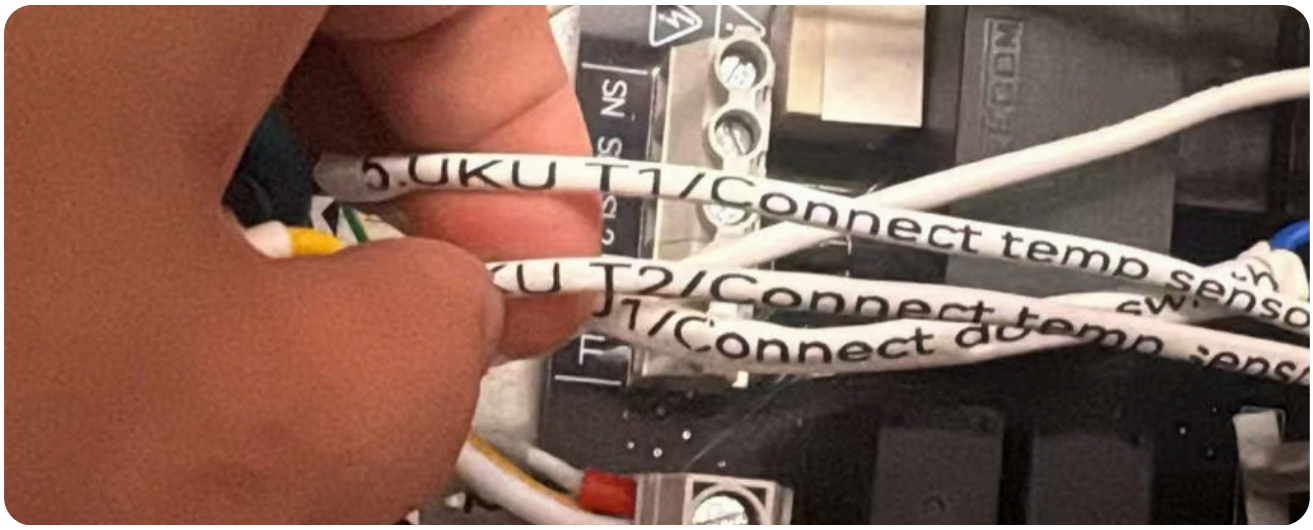
Under the bench inside the control box cavity, you will find two wires labeled **“V 2~U”** and two wires labeled **“V 2~V”**. Connect them to the control box as follows:



b) Temp sensor connection to control box

You will find two wires labeled **“UKU T1”** and **“UKU T2”**. Connect them to the **T1 and T2 terminals** of the control box.

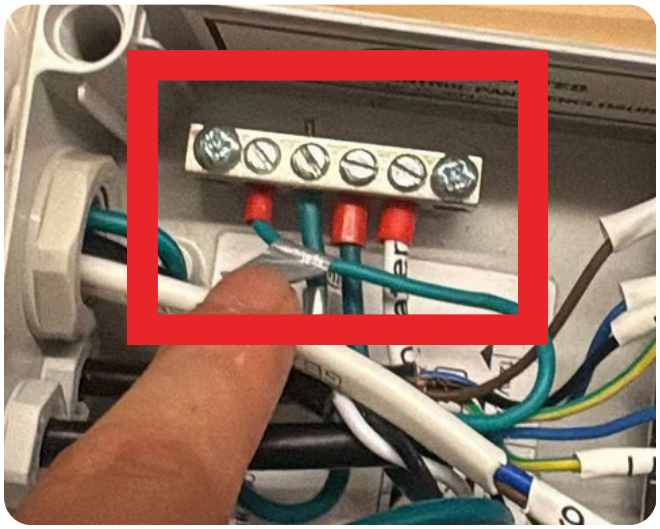
(Refer to the control box diagram on Page 22)



c) Connect all grounds to GND bar.

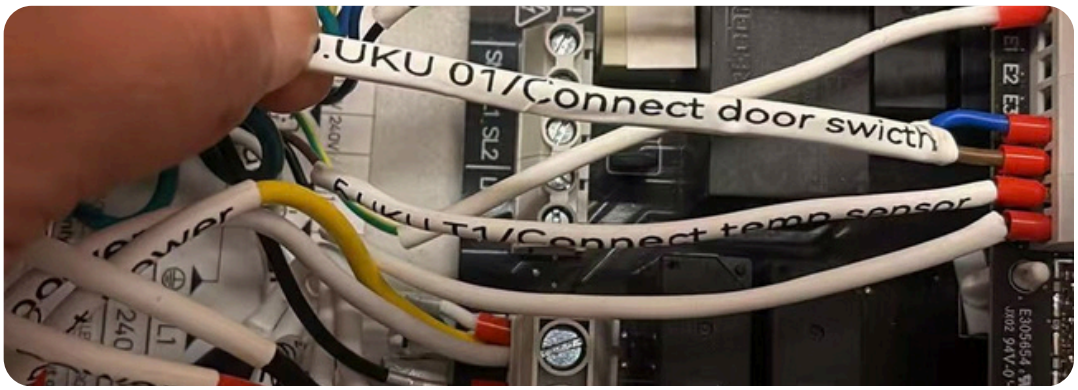
Connect all wires labeled **“GND”** or **“Ground”** to the available grounding bar inside the control box.

All **GND** connections to the unit’s HUUM components will come from this grounding bar.



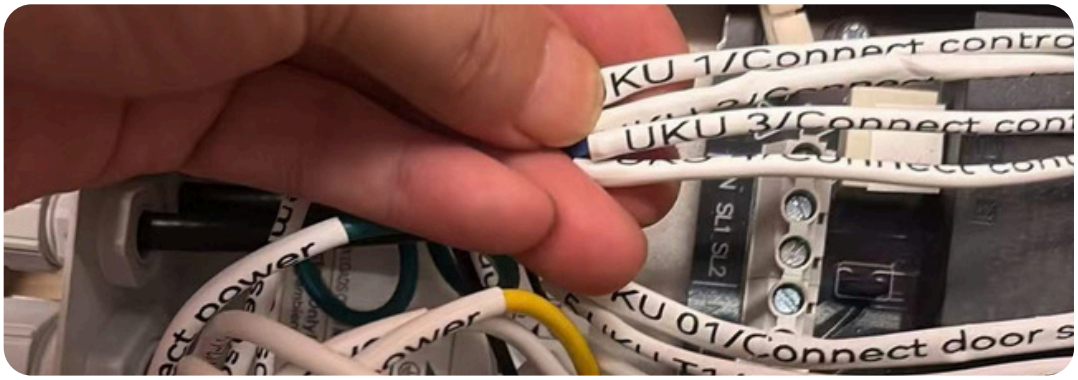
d) Door sensor connection to control box

You will find a wire labeled **“UKU O1” that splits** into two separate wires. Connect them to the **O1** and **O2** terminals of the control box.



e) Control panel connection to control box

You will find four wires labeled **“UKU 1”**, **“UKU 2”**, **“UKU 3” and “UKU 4”**. Connect them to the **1, 2, 3 and 4 terminals** of the control box.

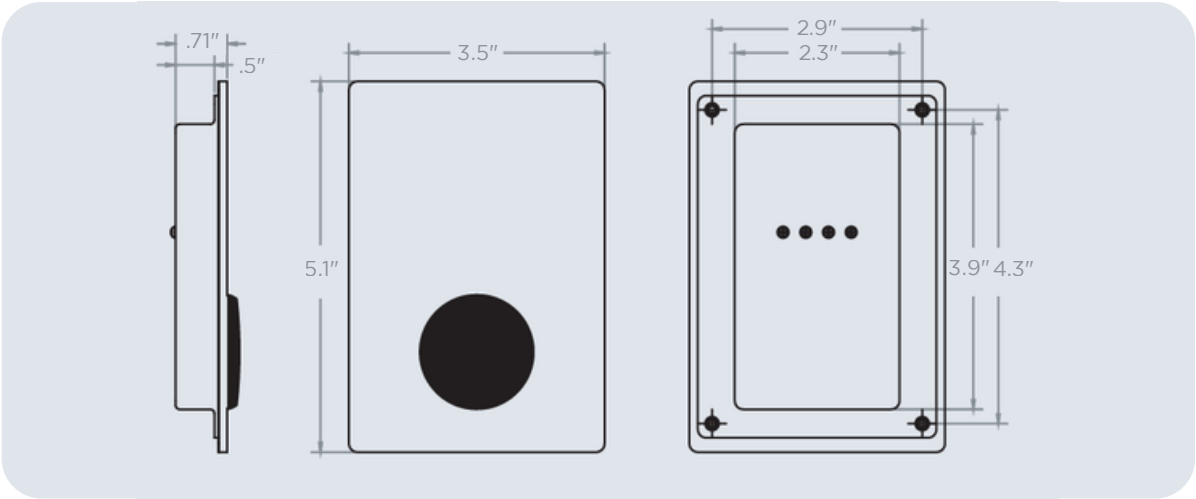


2 - CONTROL MODULE

WARNING! To avoid over-threading the screw threads, tighten the screws only by hand. Do not use electric screwdrivers.

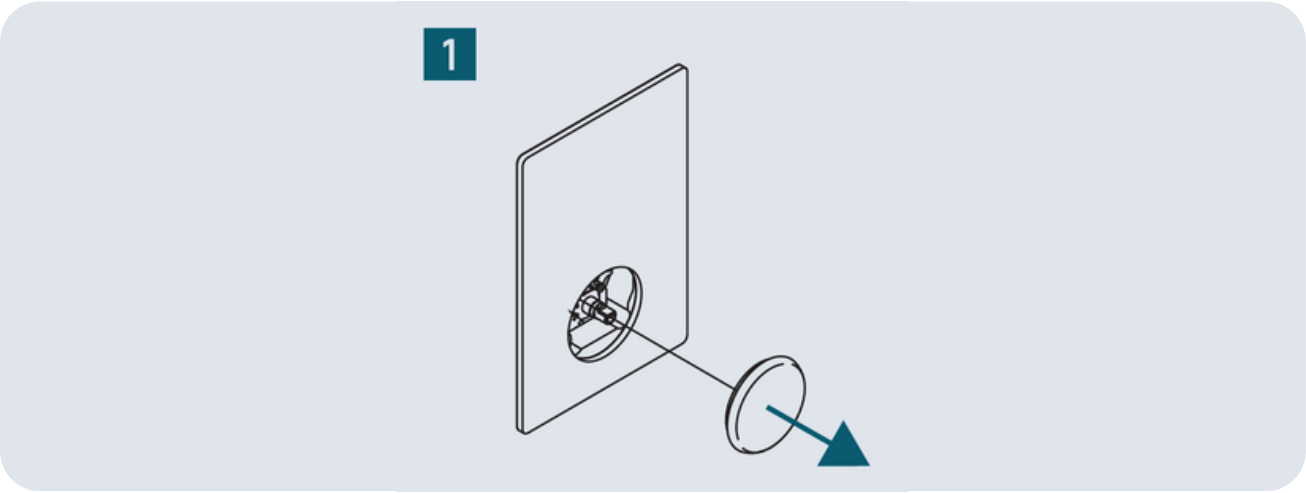
Control panel with glass case

The control panel with a glass case can be installed inside the sauna room, at the pre-built location shown in the following diagram.

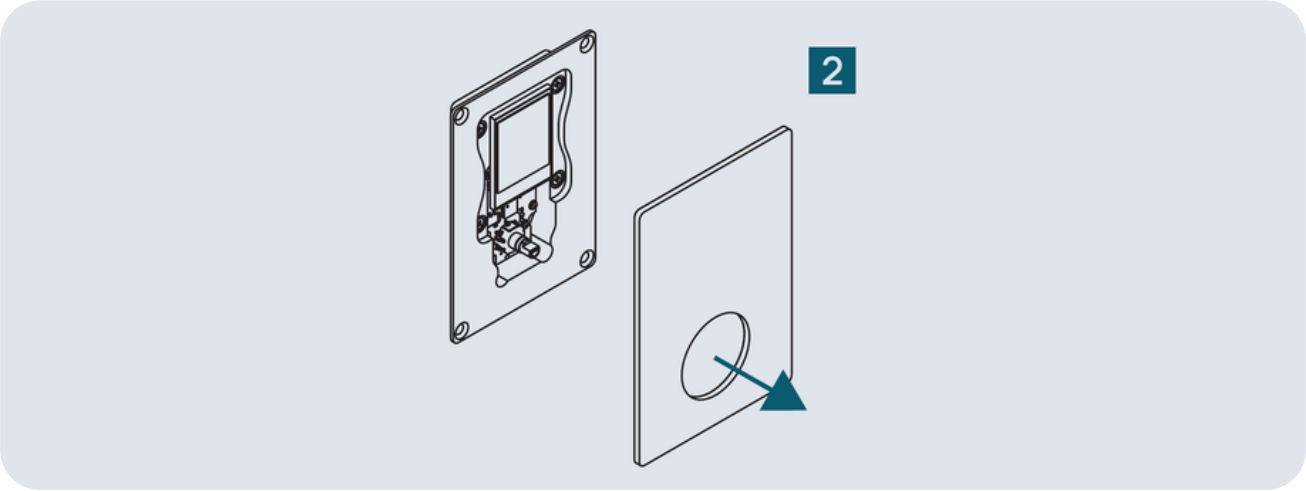


INSTALLATION STEPS

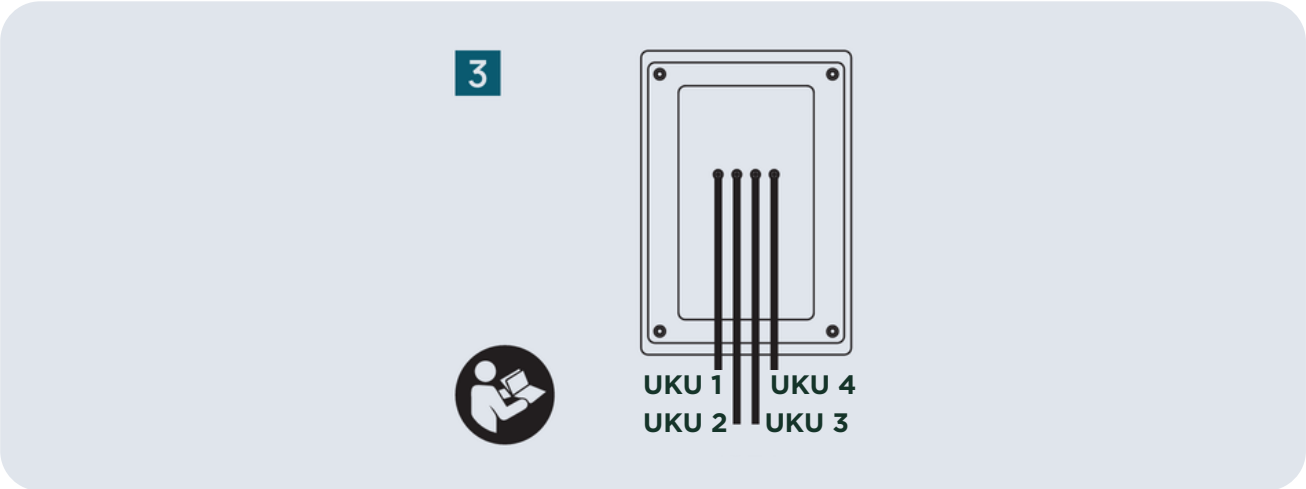
- **Remove the control panel button and the protective film of the glass.**



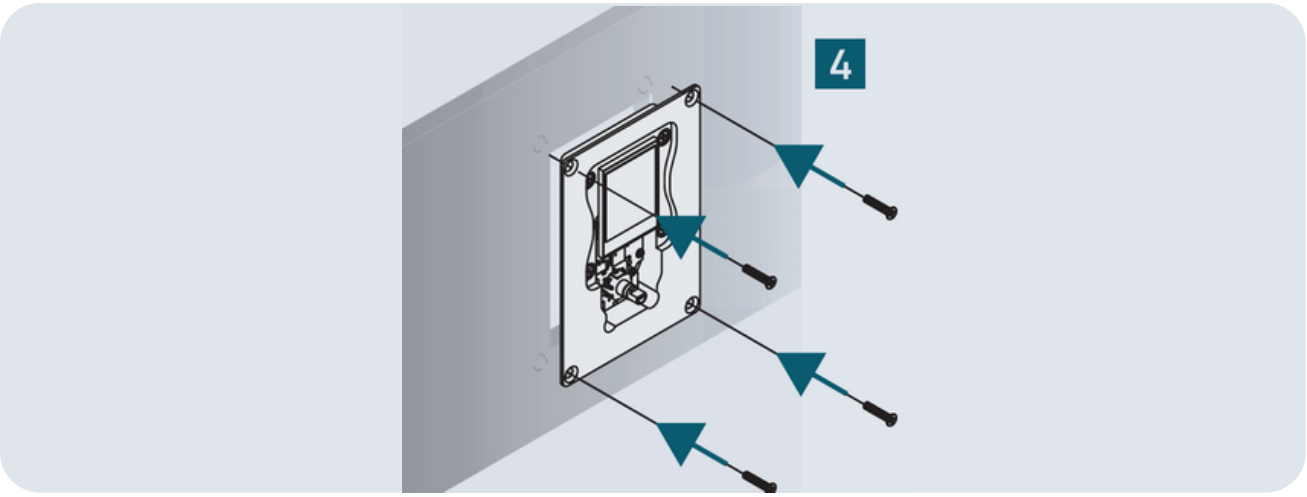
- **Remove the glass. The glass is fixed with magnets.**



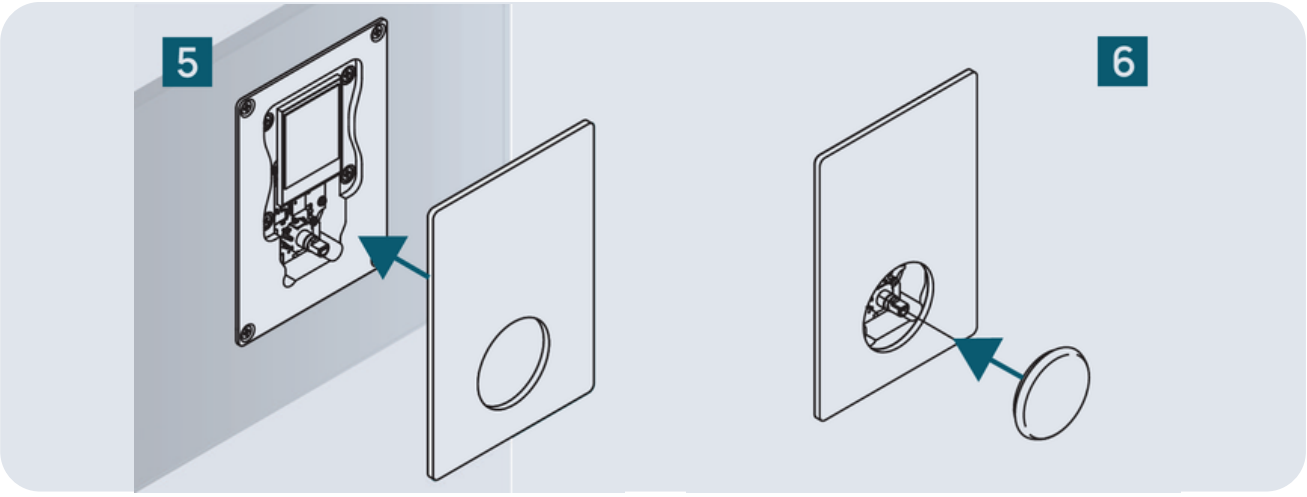
- **Connect the wires following the labeling.**



- **Attach the control panel to the wall.**

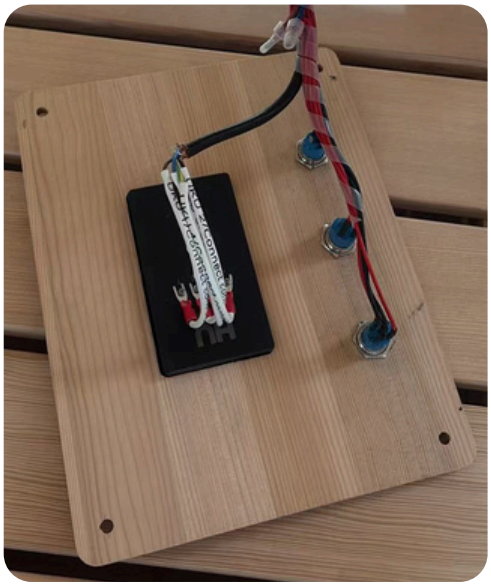


- **Carefully place the glass back on the control panel housing. / Install the button.**



- **End result (Assembled and wired control panel).**





4 - TEMPERATURE SENSOR ASSEMBLY

The safety and bench sensors provide the main module with accurate temperature information from inside the sauna. Using this data, the control system regulates the heater operation and will stop heating if dangerously high temperatures occur, ensuring the protection of the sauna and its components.

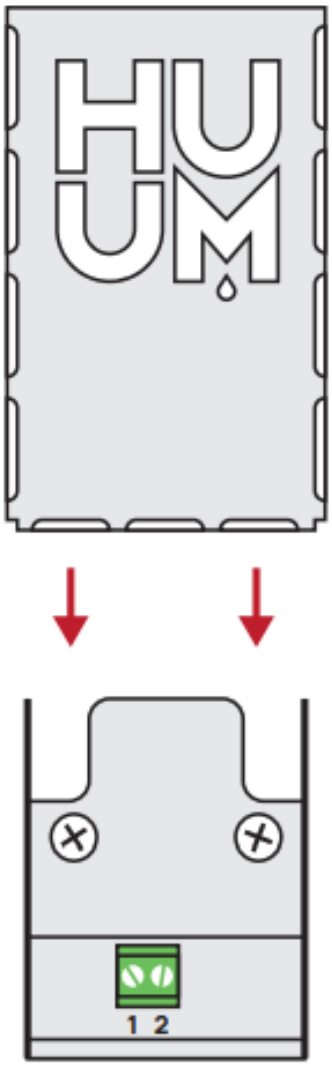
- When installing only the safety sensor, the control panel will display the temperature reading of the safety sensor.
- The maximum set temperature when using only the safety sensor is 110 °C.
- The maximum set temperature when using the bench sensor is 90 °C due to it being installed away from direct thermal radiation of the heater. This ensures that the highest possible temperature on the sauna bench is achieved without compromising safety inside the sauna.

DO NOT use power tools to install the sensors! Sensors are to be carefully installed using a screwdriver. Using power tools may cause damage to the sensor's components!

The sensor housing consists of the rear and front case halves.

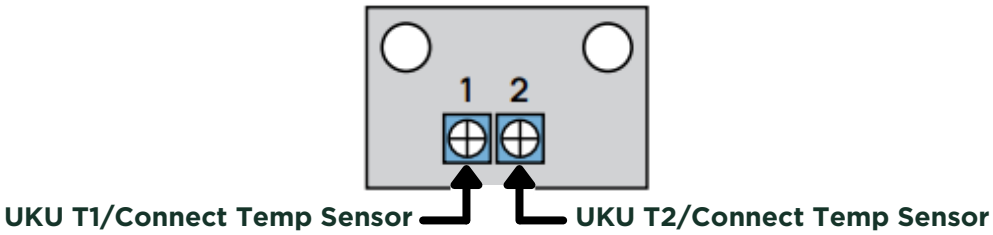
Attach the back side and sensor to the back wall or ceiling with two screws, ensuring it is straight.

Install the front casing by sliding it down onto the rear casing, as shown **in the diagram.**



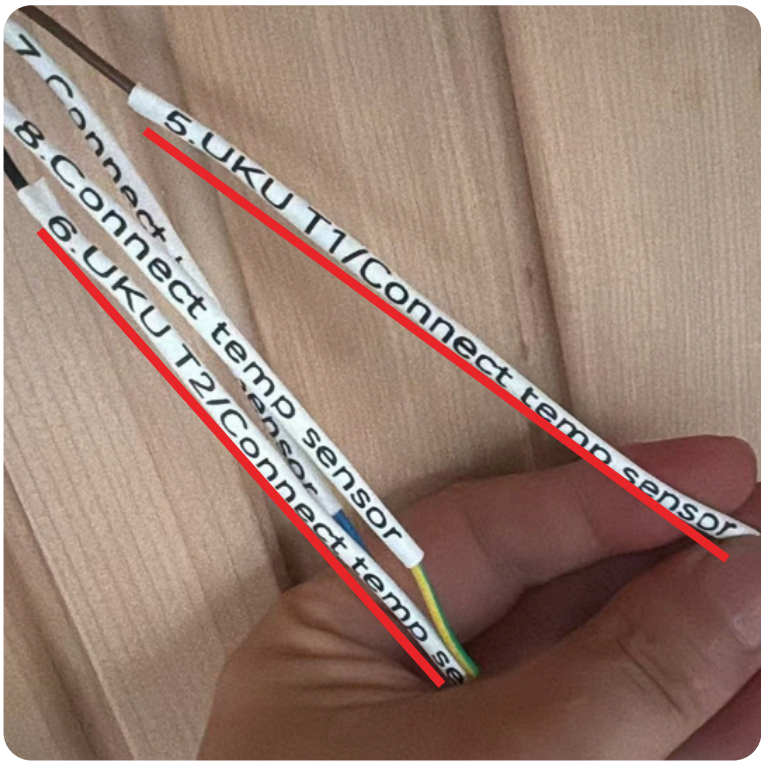
TEMPERATURE SENSOR INSTALLATION

On the top-right of the unit's back wall, you will find four pre-routed wires. Grab the wires labeled **"UKU T1"** and **"UKU T2"**, and connect them to the **"T1"** and **"T2"** terminals of the sensor respectively.

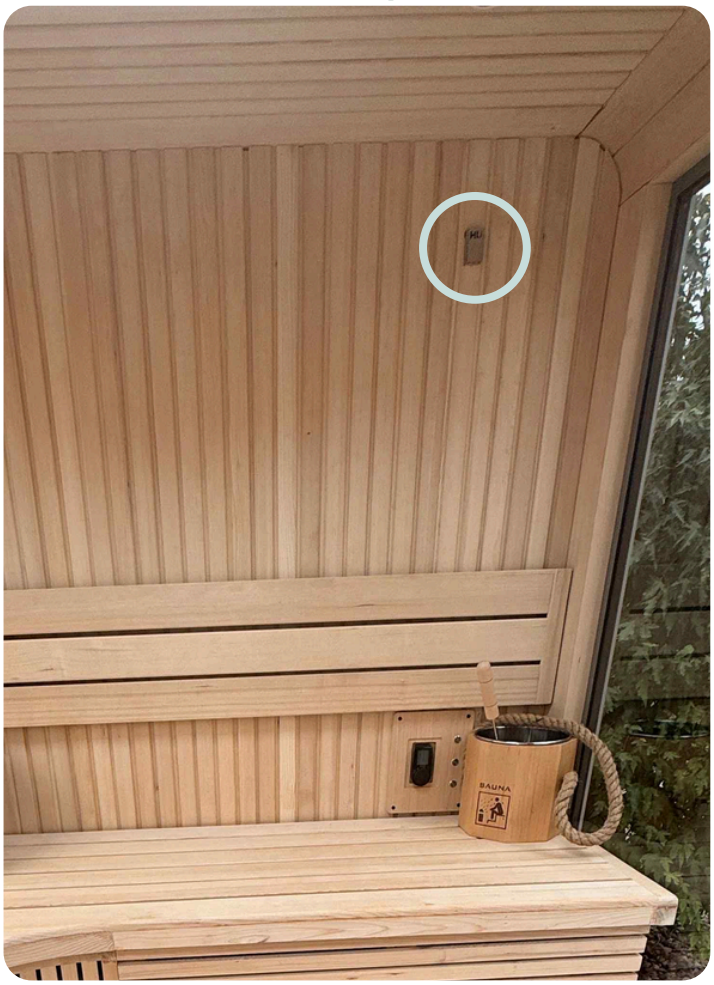


NOTE:

All unused wires must be re-routed inside the back panel.



Installed Temp sensor.



SAUNA USE

1 HUUM UKU PANEL OPERATION 32

1.1 CONNECTING UKU TO WIFI 32

1.2 GENERAL USE 33

1.3 SETTINGS MENU 34

1.4 GENERAL SAFETY INFORMATION FOR THE USER 40

1 HUUM UKU PANEL OPERATION

1.1 CONNECTING UKU TO WIFI

- The WiFi modem complies with 802.11 b/g/n standard.
- The main module supports only 2.4 GHz WiFi networks.
- UKU should be connected to the unique 2.4 GHz WiFi network. If the name of the network matches with that of 5 GHz or 6 GHz network, it should be changed.

ATTENTION! The control system does not support WiFi network names and passwords which are longer than 20 characters.

- To enter the control panel menu settings, hold down the panel button for **9 seconds.**
- Go to **"WiFi settings"** and select **"SSID"** from there. You can confirm the options by clicking on the button.
- In the opened menu, find the **WiFi network** to which you want to connect your sauna control system.
- If you have selected WiFi network, enter the password. The maximum length of the password can be **20 characters**.
- After entering the password, click **connect** and follow the instructions on the screen.
- In the operation manual, information on connecting the sauna to the mobile application has been provided in the chapter **"HUUM mobile application"** on **page 32**.
- If you have problems connecting the control system to the WiFi network, you can find video instructions and the fastest help at: **huum.eu.**

HUUM MOBILE APPLICATION

If you have chosen UKU control system with WiFi capability, you can also control it using the HUUM mobile application in addition to the control panel. In this way, you can conveniently heat your sauna in the app even when you are away from home.

- Download the **HUUM application** from the application page of your mobile phone's operating system**:**

Download on the App Store

GET IT ON Google Play

- Create a user account in the application.
- Connect the **control system ID (Located at the inside of your control box)** with your user account. The ID of the control system is also the ID of your sauna, you can find it on the sticker located in the upper right corner of the main module cover. The code is also provided on the cover.
- Check whether the functions of the mobile application (e.g. selection of sauna temperature and heating time, heating on and off) work and reach the sauna. The function should start within **60 seconds** of selecting the command in the menu. In case the functions of the mobile application are not activated, contact us: **support@huum.eu**.
- The number of user accounts linked to one sauna is not limited.

HOW TO ADD WIFI CAPABILITY TO YOUR UKU LOCAL CONTROL SYSTEM?

If you have purchased UKU Local control system, but want to add WiFi capability to it, you can do so in HUUM mobile application. The upgrade does not require calling a technician, but is activated remotely for an additional fee.

- To do this, download HUUM mobile application, create a user account and link it to your sauna ID (see the previous section **"HUUM mobile application"**).
- You can get further instructions from the mobile application.

1.2 GENERAL USE

- Before use, make sure that you have made the necessary connections according to your control panel model (see **"CONNECTING UKU TO WiFi "** on **page 32**).
- A short single press of the button turns the control panel on and starts or stops the heating. The display remains active throughout the heating period.
- You can set the maximum possible heating time of the heater in the menu of the control panel on the wall. In case of private saunas the choice of heating time is **3** or **6** hours. By using the mobile application you can choose the heating time yourself, but its length cannot exceed the settings of the control panel.
- The current sauna temperature is displayed in the middle of the screen.
- The target sauna temperature is indicated by a number in the upper right corner of the screen. Turn the button to select the target temperature.
- Press the button to start heating. During heating the heating symbol is displayed above the temperature on the screen ( ).
- To enter the control panel settings menu, hold down the button for **9 seconds**.
- Select **“Back”** for each function to exit the menu.

HUMIDITY CONTROL

- When using just the safety sensor, the approximate relative humidity is displayed in the bottom left corner of the control panel.
- When using the bench sensor, measured relative humidity is displayed in the bottom left corner illustrated by a drop icon (💧) .
- To change the target humidity, press and hold the button and turn to change the target value.

TIMING OF HEATING

- UKU control system allows you to schedule the start of heating.
- To activate the timer function, press and hold the button for **6 seconds.**
- When the desired time is selected, a single short press on the button switches the timer on. The function of the timer will not activate unless you press the button!
- The timeline appears on the screen, showing how much time is left until the heater is turned on.

1.3 SETTINGS MENU

The following parameters can be set in the menu:

NB! The settings menu cannot be accessed when the heating is active.

WIFI SETTINGS

- Press and hold the button for **9 seconds** to enter the settings menu.
- Go to the **"WiFi settings"** option. The necessary steps for selecting the WiFi network and establishing the connection have been described in the section **"CONNECTING UKU TO WiFi"** on page 32

LAMP OR VENTILATION SETTINGS

- To control devices connected to the control system from the control panel, this function should be turned on **(On)**.
- Press and hold the button for **9 seconds** to enter the settings menu.
- Find the **"Lamp: On/off"** function in the menu and make the choice that suits you.
- If the function is active, you can turn the relevant device ON or OFF with **two quick button presses** on the control panel.

DOOR SWITCH

If the function is activated, the device connected to the control system (e.g. ventilation, sauna lamp) turns on automatically for a user-defined time period of 10, 15 or 20 minutes when the sauna door is opened.

- Press the button for **9 seconds** to enter the menu.
- Find the **"Door switch"** function in the menu and choose a suitable period of **10, 15 or 20 minutes**.

ATTENTION! The devices are connected to the outputs LL (phase) LN (neutral) of the main module of UKU control system. The maximum power of the device is 100 W, voltage 230 V.

HEATING SETTINGS

1. Temperature unit

- The function allows you to choose the measurement unit of the sauna temperature: °C (Celsius) or °F (Fahrenheit).
- Press and hold the button for **9 seconds** to enter the settings menu.
- Go to **“Heating settings”.**
- Find the **"Temperature unit"** function in the menu and select the appropriate unit of measurement.

2. Heating time

- Allows you to set the heating time, after which the control system automatically turns off the heater.
- Press and hold the button for **9 seconds** to enter the settings menu.
- Go to **“Heating settings”.**
- Find the **"Heating time"** function in the menu and set the heating time according to your sauna type:

> Private saunas 3h to 6h

- When using the local control panel, the heater follows the heating time specified in the settings, but the user can also stop the heating earlier.
- When changing the heating time to more than **6 hours (max heating time for private saunas).**

3. Minimum and maximum temp

- Allows limiting the minimum and maximum target temperature.
- To limit the sauna to a single target temperature setting, set both settings to the same desired temperature.

4. Heating algorithm

- Allows you to choose the heating algorithm Simple, Smart or Learning.
- Simple algorithm keeps all heating elements working at the same time until the desired target temperature is reached.
- Smart algorithm starts turning off the heating elements one after the other before reaching the target temperature. If the temperature in the sauna drops, one heating element after another is turned on to maintain the temperature. Smart algorithm allows you to save electricity consumption, especially for heaters with a large amount of stones (50+ kg).
- Learning algorithm prevents the sauna from going over the target temperature by learning from the sessions and adjusting the heating accordingly.
- Press and hold the button for 9 seconds to enter the settings menu.
- Go to “Heating settings”
- Find the "Heating algorithm" function in the menu and make a suitable choice.

NOTE: Smart algorithm is not suitable for use on the heaters with less than three heating elements.

5. Temperature calibration

Outdoor saunas with poor insulation or located in extremely cold climates, might experience lower temperature readings from the bench sensor due to the colder walls. To compensate for this, you can calibrate the sensor's readout.

If your sauna struggles to reach the target temperature, increase the calibration value by one step.

The control system will always regulate the heating according to the calibrated temperature.

Calibration options:

1. 0% - temperature is not calibrated.
2. 5% - temperature readout is adjusted to 5% higher temperature than measured.
3. 10% - temperature readout is adjusted 10% higher temperature than measured.

- Press and hold the button for **9 seconds** to enter the settings menu.
- Go to **“Heating settings”**
- Find the **"Temp. calibration"** function in the menu and make a suitable choice.

SAFETY SETTINGS

1. Remote start safety

To confirm the safety of your sauna for remote heating activation, follow the steps below:

- Make sure there are no foreign objects placed on the heater and there are no flammable objects located closer to the heater than the minimum specified safety distance.
- Make sure there are no objects in the sauna that may cause a fire hazard when turning on the heater remotely.
- Close the door of your sauna (if you have the control panel installed inside the sauna, follow the steps mentioned below. After confirming, you have 15 seconds to leave the sauna and close the door).
- Press and hold the control panel button for **3 seconds** until the safety confirmation prompt appears.
- By answering yes, remote (from the phone app) launch is enabled. It is indicated by three gray dots (...) on the control panel screen.
- If you do not answer or the answer is no, the system will not allow you to start heating from the mobile phone.
- Once you've confirmed the safety of the sauna, it will be considered safe until someone opens the door again. If the door is opened, before you start the sauna from your app, the remote launch will be deactivated and the above mentioned steps have to be repeated.

ATTENTION! In the settings menu it is possible to turn off the remote launch confirmation on the control panel. In this case, you can remote launch (from the phone app) your sauna, without confirming the safety of the sauna on the control panel. If you would like to do this, follow the steps mentioned below. By turning off the test question, the sauna may be started remotely without confirmation that conditions in the sauna are safe. This may result in property damage, and serious or fatal injuries.

- Press and hold the button for **9 seconds** to enter the settings menu.
- Go to “Safety Settings”.
- Find the function **“Remote start safety: Enabled/Disabled”.**
- Select **“Disabled”.**

2. Settings password

To avoid unwanted changes, it is possible to protect the settings menu with a password.

- You can turn on the function and set the password in the settings menu.
- Press and hold the button for **9 seconds** to enter the settings menu.
- Go to **“Safety Settings”.**
- Find the **"Settings password: on /off"** function in the menu and make a suitable choice.
- Set a password.
- If the function is on, the user will be asked for a password every time when entering the menu. By default, the feature is turned off.

NOTE: Once you have set a password, store it securely. If you forget or lose your password, contact the user support at: support@huum.eu

3. Child lock

- The child lock function adds security and prevents unauthorized persons from starting the heater without supervision.
- Press and hold the button for 9 seconds to enter the settings menu.
- Go to “Safety Settings”.
- Find the "Child lock: on/off" function in the menu and make the appropriate selection.
- If the function is activated, the child lock is applied automatically when the screen of the control panel turns off.
- To remove the child lock and activate the screen, while holding the button, turn it a quarter turn to the right, then back to the beginning, then a quarter turn to the left and back to the beginning.

4. Failure detection

Failure detection is implemented to detect abnormal heating behavior. The control system monitors the temperature rise in the sauna and disables the heating if the temperature rise is not sufficient. Failure detection works if the temperature of the sauna is below 40 °C when the heating is started. Insufficient temperature rise may be caused by:

- A door or window has been left open in the sauna room.
- The sauna is poorly insulated.
- The chosen heater is not powerful enough to heat the sauna.
- Safety and/or bench sensor is installed incorrectly.

ATTENTION! It is not recommended to turn the failure detection off!

If you would like to disable the failure detection:

- Press and hold the button for **9 seconds** to enter the settings menu.
- Go to **“Safety Settings”.**
- Go to **“Failure detection”**
- To confirm disabling failure detection, enter the last 4 digits of the main module's MAC code. You can find the MAC code by checking the Controller info section in the settings menu (press and hold the button on the control panel for 9 seconds to access the menu) or in the top right corner of the main module.

Failure detection logic when using only the safety sensor: if the temperature does not rise by 40 °C within 60 minutes of heating, the heater will shut off.

Failure detection when using the safety and the bench sensor: if the temperature does not rise by 20 °C within 60 minutes of heating, the heater will shut off.

5. Overheating pauses – ON/OFF

The sauna control system has a pausing mechanism after every 30 minutes of heating. This addresses situations where the heater's power is insufficient for the specific sauna room, or the ventilation is done incorrectly, causing the heater to operate at full capacity continuously. By implementing these pauses, the system reduces the risk of overheating surfaces near the heater.

ATTENTION! It is not recommended to turn the overheating pauses off!

If you would like to disable the overheating pauses:

- Press the button for 9 seconds to enter the menu.
- Go to **“Safety Settings”.**
- Go to **“Pauses”**
- To confirm turning off the pauses, enter the last 4 digits of the main module's MAC code. You can find the MAC code by checking the Controller info section in the settings menu (press and hold the button on the control panel for 9 seconds to access the menu) or in the top right corner of the main module.

1.4 CONTROL SYSTEM ERROR MESSAGES

E1 — Door open! Close the door!
The door sensor and the magnet are not aligned. Close the door to clear the error. If closing the door does not clear the message, check that the door sensor magnet is correctly installed and check the sensor cable connections to the UKU main module. If the sensor is positioned correctly, the cable is connected correctly and there are no shorts, contact your reseller to replace the sensor.

E2 — Steamer dry! Fill the steamer!
The steamer has run out of water. Refill the steamer to clear the message. If refilling the steamer does not clear the message, the steamer module must be inspected. Contact your reseller.

E3 — Safety sensor error! Check the manual!
The UKU main module has lost connection to the safety sensor. Please check the cable connections on the sensor and on the main module. If the cable is connected correctly and there are no shorts, contact your reseller to replace the sensor.

E4 — Bench sensor error! Check the manual!
The UKU main module has lost connection to the bench sensor. Please check the cable connections on the bench sensor and on the main module. If the cable is connected correctly and there are no shorts, contact your reseller to replace the sensor. Heating can be resumed using the safety temperature sensor installed above the heater by first pressing the button on the control panel to dismiss the error message and then pressing it again to start the heating.

E5 — Sensor installation error! Check the manual!
The temperature measured on the safety sensor is lower than the temperature on the bench sensor. Please ensure that the safety sensor is installed above the heater and the bench sensor is installed according to the specifications in the manual.

E6 — Heating disabled. Insufficient temp. rise! Check the manual!
Failure detection has been triggered due to insufficient temperature rise in the sauna, indicating that the heat is escaping the room. Please make sure that all the doors and windows are shut, and the ventilation ports for drying the room have been closed. Press the button on the control panel to dismiss the message and restart the heating. If the error persists, contact your reseller.

E7 — Main module overheat! Check the manual!
The temperature of the UKU main module has exceeded 70 °C. Check that the main module is placed in an area where temperatures do not exceed normal operation limits stated in the manual. Triggering this error message indicates there might be a serious problem with the main module, the electrical connections or with the environment the main module is located in. Contact your reseller.

E8 — Steamer overcurrent! Check the manual!
The steamer or the connected auxiliary device is drawing too much power. Please make sure the device does not exceed 2500 W.

GENERAL SAFETY INFORMATION FOR THE USER

- The safety door sensor must be installed with the control system!
- To achieve better temperature control and an overall better sauna experience, the included bench sensor must be installed.
- The UKU main module and the safety sensor are designed to protect your sauna from overheating. In addition to the safety features described in the Control panel user manual, there are several hardware-based safety measures that will disable the heating when potentially unsafe conditions are detected.
- The safety sensor incorporates a thermal fuse, that will break when temperature reaches unsafe levels specified by the EN 60335-2-53:2011. When this happens, an E3 error message will be displayed on the control panel.
- Contact your reseller for a replacement unit.
- UKU control system may only be used with a heater which power in one heating circuit does not exceed 6 kW.
- It is forbidden to modify or rebuild the appliance and may cause a fire hazard.
- If you encounter any issues not addressed in this manual, please contact the reseller from whom you obtained the device for assistance.
- The manufacturer has the right to make software updates to the device. You can find the latest version of the operation manual on our website: huum.eu

INTENDED USE

- Before heating, always make sure that there are no objects on or in the heater. Non-flammable objects can also cause overheating and fire hazards.
- Make sure there are no flammable objects closer to the heater than the safety distances specified in the heater's manual.
- After ensuring that the sauna room is safe, close the sauna room door. It should remain closed during heating as heating with the door open is ineffective; the heat escapes from the room.
- To use the remote control, ensure in advance that the heater is in working order and there are no objects on it. If "Remote start safety" is enabled (page 37), confirm the safety prompt. Also, ensure that the sauna room door is closed.
- The device is not intended for use by people with limited physical, sensory or mental abilities (including children) or by people with insufficient experience and/or insufficient knowledge, excl. if they are supervised by a person responsible for safety.
- Make sure that children do not play with the device.
- When the sauna will not be used for a longer period of time, turn off the sauna's current protection at the switchboard.
- Old equipment contains recyclable materials. Do not throw old devices in the household waste! Investigate the possibilities of disposal of devices at the waste stations in your area or at the local municipality.

GENERAL MAINTENANCE

1 SAFETY & MAINTENANCE WARNINGS 42

2 CARE & CHEMICAL SAFETY 42

1 SAFETY & MAINTENANCE WARNINGS

Before maintenance, switch OFF all electrical supply circuits and prevent restart (lock-out/tag-out where applicable). Electrical or mechanical repairs require qualified personnel. Do not handle or service the equipment with wet hands or feet and allow components to cool before touching them.

2 CARE & CHEMICAL SAFETY

Canadian hemlock interiors

- After each use: Remove towels and other damp items. Wipe perspiration and visible water from benches and panels with a soft, damp cloth. Open the door and ventilation as directed by the sauna manufacturer so the wood can dry fully.
- For routine cleaning: Once the wood has cooled, use a soft cloth or brush and a small amount of sauna approved cleaner. Avoid soaking the wood; remove cleaner residue and let the surfaces dry before the next use.
- Protect benches: Sit on a clean towel to reduce perspiration stains. Remove fragrance or other product spills promptly.
- Preserve the finish: Do not apply ordinary paint, varnish, lacquer, or household wood polish to interior surfaces. Use a sauna approved bench treatment only if the sauna manufacturer permits it. Test a hidden area first, as treatment may change the wood's colour.
- Check periodically: Look for persistent dampness, rough spots, or staining. Light sanding of unfinished wood may be appropriate if the sauna manufacturer allows it.

Sintered stone flooring

- After each use: Remove standing water and visible soap residue, then allow the floor to dry. Pay attention to textured areas where residue can collect.
- For routine cleaning: Sweep away grit, then mop with a pH neutral floor cleaner at the dilution specified by its manufacturer. Rinse or remove dirty liquid so it does not dry on the surface.
- For textured or slip resistant finishes: Clean trapped residue with a brush suited to the floor manufacturer's instructions. Avoid waxes and polishes, which can leave a film.
- Treat mineral deposits locally: If neutral cleaning does not remove limescale, use only a descaler approved for the specific floor finish and its grout or joints. Keep it off the wood, aluminum, and glass; rinse thoroughly afterward.
- Check periodically: Inspect joints, edges, and the slip resistant surface for damage or buildup. Follow the flooring supplier's repair instructions and avoid cleaners containing hydrofluoric acid.

Exterior aluminum frame

- Clean when soiled: Remove loose grit, then wash with a soft cloth or brush and a mild, neutral detergent. Test the cleaner on a hidden area first.
- Rinse and dry: Remove detergent with clean water and dry the frame, especially around joints and lower edges, to limit water marks.
- Avoid finish damage: Do not use steel wool, abrasive pads, scrapers, strong solvents, or strong acidic or alkaline cleaners. Keep floor descalers off the frame.
- Inspect the finish: Check for scratches or coating damage during cleaning. Ask the frame or coating supplier for an approved repair method before polishing or touching up the finish.

Tempered inner and outer glass

- After each use: Remove condensation from the inner face with a clean, nonmetallic squeegee. Dry remaining water with a soft cloth to limit mineral spotting.
- For routine cleaning: First rinse away loose grit. Then use clean water with mild soap or a nonabrasive glass cleaner. Finish with a clean squeegee or microfiber cloth, and dry the glass and its edges.
- Protect the surface: Do not use abrasive powders, scouring pads, or razor blades. Follow the glass supplier's instructions if either face has a coating or surface treatment.
- Inspect for damage: Check panels and exposed edges for chips or cracks. Stop using a damaged panel and arrange professional assessment for replacement.

Chemical handling guidelines

• Store chemicals in their original labeled containers, closed, dry, cool and out of sunlight, away from children and pets.

• Separate incompatible products. Keep them away from heat, flames and combustible materials. Never store chemicals in the sauna.

• Never mix concentrated products or different sanitizers. Use clean, dedicated measuring tools and handle one product at a time.

• Avoid dust, fumes and splashes. Wash hands after handling. Follow label emergency directions for spills or exposure and local disposal requirements.

IMPORTANT NOTE:

Always use manufacturer-approved cleaning agents for regular surface maintenance. When in doubt, contact your account manager for assistance and official recommendations on your area of concern.

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