



UKU WiFi/LOCAL

ENG	HEATER REMOTE CONTROL	3-15
FR	TÉLÉCOMMANDE D'APPAREIL DE CHAUFFAGE	17-29



IPX4



UKU WiFi/LOCAL

HEATER CONTROL CONSOLE 9 kW Installation And User Instructions

NB! The following instructions for electrical works must be carried out by a certified electrician.

NB! This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

NB! Children should be supervised to ensure that they do not play with the appliance.

NB! The installation instructions for appliances for public saunas that do not have a timer shall state that a pilot lamp showing that the heater is switched on is to be installed in the attendant's room. The previously provided manual does not contain this information.

For installation in public saunas, a separate timer compliant with UL 60730-1 and UL 60730-2-7 along with CSA E60730-1 and CSA E603730-2-7 standards must be used.

The devices set includes:

- UKU control panel
- Main module (2.56 in x 6.5 in x 9.65 in/65 mm x 165 mm x 245mm)
- Temperature sensor
- Door sensor
- Thermal and door sensor cables (197+197 in/5+5 m; 2×28 AWG);
- UKU control panel cable (118 in/3 m; 4×28 AWG).

NB! Keep this operating manual near the device so that at any time you can get safety and important information for using the device.

BEFORE INSTALLATION

- **Before installation read the operation manual thoroughly. This way you can use all the benefits of the device and prevent damage.**
- Only an electrician or a person with equal qualifications may install the device.
- Installation and maintenance of the device are only allowed when it is not under voltage.
- For unique problems that are not covered in the installation manual, contact your vendor to ensure safety.
- It is not permitted to alter or rebuild the control device without authorization.
- The manufacturer has the right to make improvements to the device. The latest version of the operation manual can be found on the webpage (www.huumsauna.com)
- Make sure that the building's cables from the main switchboard to the sauna's desired location have sufficient cross-section. In case of an older building, pay attention to the condition of the connecting boxes and if possible, install a new cable from the switchboard to the sauna. Install separate protection for the heater.
- It is recommended to connect the unit to the mains without an earth-leakage circuit breaker.

Symbols used in the installation manual:

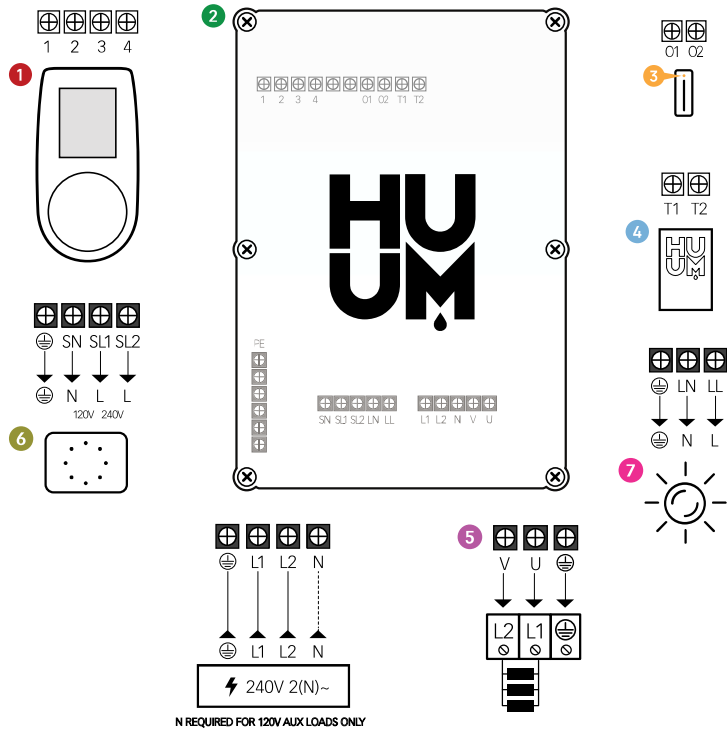
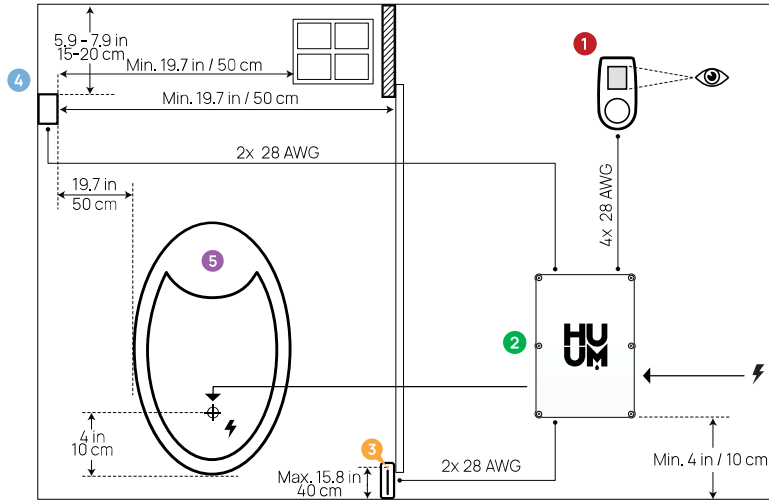
WARNING! Not following these instructions may lead to serious or fatal injuries.

CAUTION! Not following these instructions may lead to minor to semi-serious injuries or cause damage to objects.

NB! Also, follow the special safety requirements given in the individual chapters. Dispose of the packaging material according to the applicable disposal rules and regulations.

In the guide, the following details of the sauna are marked with numbers:

- ① UKU control panel
- ② Main module
- ③ Door sensor
- ④ Temperature sensor
- ⑤ Heater (not included)
- ⑥ Vaporizer (not included)
- ⑦ Light (not included)



INSTALLING UKU ELECTRICAL CONTROL DEVICE

- Before installation disconnect the electric heater from the power supply in the switchboard.
- The control device ① must be installed outside the steam room, at the user's eye level next to the door or according to the manufacturer's recommendations.
- If your main controller ② supports the use of the WIFI connection it must be installed where the appropriate reception is available.
- The device must be installed in a dry place. The protection degree of the device is IPX4. The power cables must be anchored via the provided cable gland.
- Do not exceed a room temperature of 104 °F (40 °C) and relative humidity of 95%.
- Before powering the controller, it must be made sure that the controller box is sealed so that there is no possibility for pollution or only for dry, non-conductive pollution to occur on the components inside the controller while in use. All the cable inlets and the box shall be properly sealed.

CAUTION! The control device must be connected to the mains permanently without plugs. A method to disconnect all poles from the mains (a circuit breaker) must be installed. The power cables of the heater controller must meet the requirements of UL 62 in the US and CSA 49 in Canada - the minimum temperature rating of 140 °F (60°C). The cables' cross-section depends on the power of the heater. See the heater manual. Our recommended wire size for controller power cable: 10 AWG for 4.5 kW and 6 kW heaters, 6 AWG for 9 kW heaters, 10 AWG for 12 kW heaters (double-wire), 6 AWG for 15 and 18 kW heaters (double-wire). Always let the correct cable size be approved and installed by a qualified electrician.

NB! A method to disconnect all poles from the mains (a circuit breaker) must be installed on the power circuit.

NB! Measure the lengths of the cables and determine the locations of the cables and the parts of the device (Figure).

CONTROL PANEL – UKU ①

With a wooden housing

- Remove the back cover of the UKU control panel to attach it to the wall.
- Attach the back cover to the wall so that the upper edge of the control panel is at eye level.
- Connect the power cable with the screw terminal of the device.
- Attach the device to the back cover that has been placed on the wall. Secure it with screws from the sides.

With a plastic housing

- Connect the power cable with the cable screws of the UKU control panel.
- Pull off the control panel control knob.
- Attach the device with screws to the wall.
- Replace the control knob to the control panel.

MAIN MODULE ②

- When installing inside the steam room, the enclosure should be placed 4-19.7 in (10-50 cm) above the floor.
- Fix the unit to the wall with 4 screws.
- Do not attach the main module to the ceiling or inclined surfaces.
- Connect the cables of the UKU control panel, temperature sensor, and door switch through a cable gland to the enclosure and main module, see figure.
- Connect the power cable (240V 2(N)~) of the control console through the cable glands to the main module, see figure.

DOOR SENSOR ③

The door switch consists of two parts: a sensor and a magnet.

- Use a 13/64 in (5mm) diameter drill when installing a door sensor recessed in the door frame.
- Install the door sensor at a maximum height of 15.8 in (40 cm) from the floor.

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- Connect the cable ends to the terminals of the switch.
- Secure the magnet to the door. It must allow the door to close and pass directly by the doorpost.
- Secure the sensor to the doorpost so that when the door closes, the sensor is aligned with the magnet. The maximum distance between the parts of the door switch must be 0.2 in (5 mm) when the door is closed.

TEMPERATURE SENSOR WITH OVERHEATING PROTECTION 4

- Connect the cable to the temperature sensor's plug, see figure.
- Screw the temperature sensor onto the wall, see figure.
- The temperature sensor cannot be placed above the heater, it must be at least 19.7 in (50 cm) away from it.
- The temperature sensor must be 5.9-7.9 in (15-20 cm) from the ceiling.
- The temperature sensor must be at least 19.7 in (50 cm) from any air opening (ventilation, door, window).

VAPORIZER 6

- A vaporizer is connected to outputs SL and SN as shown in the figure. If a vaporizer is connected, a vaporizer function must also be selected from the control console settings. See User instructions.

NB! When connecting the control console with an electrical heater with a vaporizer function ensure that the water tank is always filled with water. When the water tank is empty, the vaporizer function is disabled and there is a risk that the heating element may burn out.

CONNECTION OF A LIGHTING SYSTEM 7

- Lighting/ventilation can be connected to the outputs LL and LN of the control console as shown in the figure. In that case, it is

possible to switch on/off the connected lighting/ventilation system from the control console.

- To use a lighting function, the lighting function must be selected from the control console settings. See User instructions.
- The maximum power of an incandescent lamp/ventilation system is 120V 100W and with LED lights 120V 50W.

Connecting the WIFI controller to the network

- Wifi modem complies with 802.11 b / g / n standard.
- The controller is only compatible with 2.4 GHz networks. The connection will fail if your 5 GHz network is with the same name as 2.4 GHz one.
- The controller doesn't support WiFi names and passwords longer than 20 characters.
- With the UKU control panel go to the settings menu (hold down button 10s).
- Go to "WIFI settings".
- Go to "SSID" and select it.
- Next, select the correct wifi network from the menu.
- You can continue to enter the password after selecting a Wifi network.
- After entering the password, choose to connect and follow the instructions in the wizard.
- Follow the instructions in the "UKU Mobile App" section

UKU mobile app

The UKU WiFi device can also be controlled by a smartphone with a special mobile application in addition to the control panel. This way you can put the sauna to work while being far from home.

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

- IOS – App Store
- Android – Google Play

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- Create a user account.
- Link the control console's ID (2XXXXX) to your user account. The ID number and code of the sauna are on the sticker of the main module.
- Check whether all the functions of the mobile application are working properly and your commands actually reach the sauna. Commands should be executed within 60 seconds. In case the functions of the mobile application do not work, contact the manufacturer: info@huumsauna.com.




TESTING

NB! Have a qualified electrician make the tests.

WARNING! Risk of electric shock. Tests must be carried out while the power is on.

- **Check the power terminals of the circuit breaker and the main module.** Bad connections may cause a fire. Switch the power on from the switchboard on by using the circuit breaker. The screen will flash for a moment. The device is ready for use.
- **Check the door switch:** close the steam room's door. Turn the control console on. Set the temperature. Turn the heating on. Contactors must switch on. Open the door. Contactors must switch off in 5-10 seconds. Close the door. Contactors must switch on again.
- **Check the temperature sensor:**
 - Install the protection. Switch the power off from the sauna's switchboard for 15 seconds and then on again. The control console must have turned off and when it is turned on, it must show the current temperature.
 - The temperature is renewed periodically, 1 degree at a time – therefore it may take some time to reach the actual temperature reading.
 - Set the desired temperature to 122 °F (50 °C). Turn the sauna on. Check that the desired temperature is maintained. Turn the heating off.
 - Set the desired temperature. Turn the heating on. Check that the temperature is achieved and maintained.

OPERATION MANUAL

- To turn on the control panel, start or end the heating, press the button once briefly.
- During heating, the heating icon  will appear above the temperature value.
- If you see the  icon, you are not connected to a WiFi network. Please see page 8 to find out how to connect your device.
- If you see the  icon, your device is connected to a WiFi network and ready to be used from the APP. Please check the section "UKU Mobile APP" to find out how.
- The signal strength of the wifi network is indicated by the filled bars.
- The screen is always active during heating.
- When you use the mobile app, it is possible to choose the heating period based on the controller settings. Using the sauna from the control panel you can choose between heating times of 3, 6 hours for private saunas, 12 hours for semi-public saunas and 18 hours for public saunas from the settings menu.
- After the heating ends or after using the button the control console will turn off.
- The number displayed in the upper right corner of the screen is the target temperature of the sauna. The current temperature is displayed in the center of the screen. Turn the knob to adjust the temperature.
- To get in the settings menu, press and hold the button for 10 seconds.
- From the setting menu it is possible to select between °F and °C.
- Vent/light - Turning this functionality on will turn on whatever appliance is connected to the LN LL outputs for the selected time whenever the door is opened.

Child lock

- The child lock function can be turned on from the settings menu.
- The child lock will automatically turn on when the screen of the control console turns off.

- When the child lock is on, press and hold the button and turn it 15 degrees to the right and then 15 degrees left and then back to activate the screen.

Timer

- To activate the timer function, press and hold the button for 3 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!

Lighting

- A lighting function can be selected from the settings menu.
- When the lighting function is selected, the light is turned on and off with two quick button presses.

Vaporizer

- A vaporizer function can be selected from the settings menu.
- When the vaporizer function is selected, steam is increased when the button is pressed, held and turned to the right, and steam is reduced when the button is turned to the left.
- Heat intensity is displayed as an indicator in the lower-left corner (from 1 to 10).

Using the mobile app

- Set the desired temperature for the sauna and heating time (the last setting will remain in the memory).
- Turn the sauna on.
- More details are available in the application's instructions.

GENERAL SAFETY INFORMATION FOR THE USER

- If thermal protection 266 °F (130 °C) has tripped, check the sauna's condition and safety. If the heat sensor with overheating protection is to be replaced, contact the manufacturer info@huum-sauna.com.
- For unique problems that are not covered in the installation manual, contact your vendor to ensure safety.
- For the safe use of the sauna's control device, it is not permitted to alter or rebuild the device.
- The manufacturer has the right to make technical changes to the device.

PURPOSEFUL USE

- Make sure that there are no objects on the heater. Even non-combustible items may cause overheating, resulting in a fire hazard.
- Close the steam room's door for the time the sauna is heated. Heating will not work with an open door.
- This device is not intended to be used by people with limited physical, sensory or mental abilities (including children) or by people with a lack of experience and/or knowledge, unless they are supervised by a person responsible for their safety or they have received instructions from such a person.
- Ensure that children do not play with the device.
- For safety reasons, turn off the sauna's circuit breaker when the sauna is not being used.
- To use the remote control, check the heater condition and remove any items from the heater. Make sure the steam room is safe and close the door.
- Old devices contain recyclable materials. Therefore, do not throw old devices into the household waste.
- Turn off the sauna's circuit breaker from the switchboard if you do not intend to use the sauna for an extended period.

WARRANTY

Buyer is obligated to read user manual and follow instructions and requirements presented. Damage to the product caused by not following instructions and requirements will void warranty.

If any defects are found on the product, where manufacturer can be blamed, then buyer has the right to demand fixing or replacing the product. Demands must be made not later than 5 years after buying the product. Purchase receipt needs to be presented when warranty demands are made.

Warranty Terms:

- Warranty applies only to product that have been used according to the manual
- Warranty does not cover wear that occurs from natural usage.
- Warranty does not cover defects or wear caused by planned use.
- Warranty does not imply when:
 - damage or defects are caused by transportation or other actions not controlled by manufacturer.
 - product has been damaged by carelessness, improper storing or overload
 - errors in the installation of the product due to non-compliance with the product's manual
 - product has been modified in any way
 - warranty period is over
 - product is not complete

All demands shall be presented directly to reseller or using e-mail for Canada: canada.support@huumsauna.com or for USA: usa.support@huumsauna.com

Find the latest updates on our website www.huumsauna.com