

PRONET WEB SERVER

INSTRUCTIONS FOR INSTALLATION AND USE
English



EN

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1. About these instructions

Read these instructions for installation and use carefully, and keep them within reach of the pronet web server. This ensures you can refer to information about safety and operation at any time.



These installation and operating instructions can also be found in the downloads section of our website: www.sentiotec.com/downloads.

Symbols used for warnings

These installation and operating instructions feature warning symbols next to activities presenting a hazard to the user. Warning symbols must be observed at all times. This prevents damage to property and injuries, which in the worst case may be fatal.

The warning symbols contain keywords with the following meanings:



DANGER!

Serious or fatal injury will occur if this warning symbol is not observed.



WARNING!

Serious or fatal injury may occur if this warning symbol is not observed.



CAUTION!

Minor injuries may occur if this warning symbol is not observed.

ATTENTION!

This keyword is a warning that damage to property may occur.

Other symbols



This symbol indicates tips and useful information.

2. Important information for your safety

The pronet web server has been produced in accordance with the recognised safety regulations. However, hazards may occur during use. You should therefore adhere to the following safety information and the specific warnings in the individual chapters.

2.1. Intended use

The pronet web server allows all the available sauna functions to be operated using devices such as a PC, smartphone, tablet, etc. This is done using either a local network (LAN, WLAN) or over the Internet (web). Up to 2 sauna control units can be connected to the web server.

The pronet web server may only be used for operating and regulating a sauna heater that passes the combustion test described in paragraph 19.101 of EN 60335-2-53. Alternatively, a suitable safety shut-off device can be installed in or above the heater.

Any use exceeding this scope is considered improper. Improper use can result in damage to the product, severe injuries or death.

2.2. Safety information

- Installation and connection of the sauna control unit may only be performed when the power supply is disconnected.
- Observe all regulations applicable at the installation location.
- For your own safety, consult your supplier in the event of problems that are not explained in sufficient detail in the installation instructions.

- The device must not be used by children under 8 years old.
- The device may only be used by children over 8 years old, by persons with limited psychological, sensory or mental capabilities or by persons with lack of experience/knowledge under the following conditions:
 - When they are supervised.
 - When they have been shown how to use the device safely and are aware of the hazards that could occur.
- Children must not play with the device.
- Children under 14 years old may only clean the device if they are supervised.
- For health reasons, do not use the sauna when under the influence of alcohol, medication or drugs.
- Make sure that no flammable objects have been placed on the sauna heater before the sauna control unit is switched on.

2.3. Legal information

- The company sentiotec GmbH reserves the right to charge fees or to discontinue the service offered at any time without stating reasons. sentiotec GmbH cannot guarantee that the service is compatible with the user's technical equipment.

3. Product description

3.1. Scope of delivery

- pronet web server
- 2 x network cable, 1 m
- 1 x network cable, 3 m
- Power supply unit
- Instructions for installation and use

3.2. Product functions

The pronet web server allows all the available sauna functions to be operated using devices such as a PC, smartphone, tablet, etc. This is done using either a local network (LAN, WLAN) or over the Internet (web). Up to 2 sauna control units can be connected to the web server.

Compatible sauna control units:

- Pro B2
- Pro B3
- Pro C2
- Pro C3

A web application that is accessed using the web browser on your device (e.g. PC, smartphone, tablet, etc.) is used for operation. Depending on the sauna control unit being used, the number of functions that can be operated using the web app will vary.

4. Connection diagram

Observe the following points when connecting the power to the sauna control unit:

- Work on the sauna control unit may only be performed when the power has been disconnected.

Fig. 1: Connections

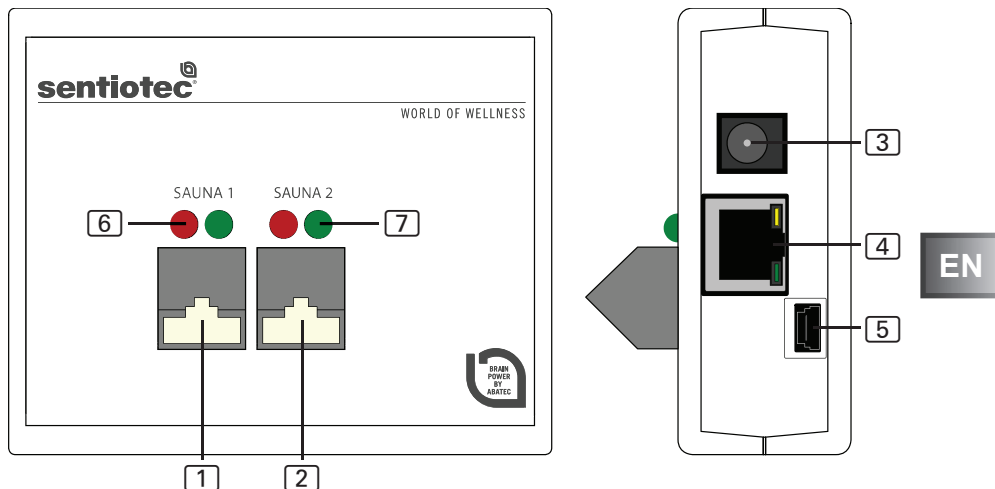
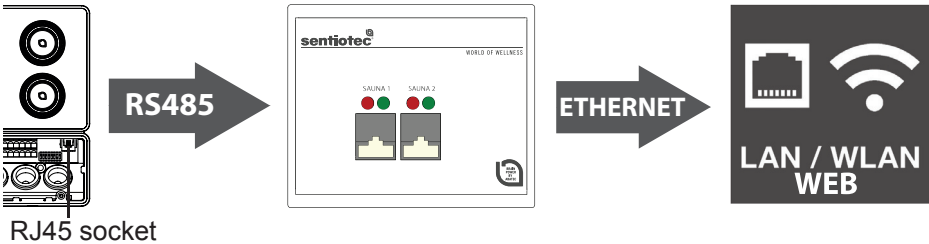


Fig. 2: Function

RJ45 socket

Setting up a connection (Fig. 1: Connections on page 7)

- Connect your sauna control unit to the web server (connection 1 or 2).
 - ▶ Use the network cables included with the delivery for connection.
- Connect the web server to your LAN network/WLAN router (Ethernet 4).
 - ▶ Use the network cable included with the delivery for connection.
- Connect the power supply unit included with the delivery to a voltage supply (5 V DC mains input 3).

**Checking the connection: (see Fig. 1: Connections on page 7)**

After successfully connecting the web server and the sauna control unit, the transmission control light 6 and the reception control light 7 start to flash. This indicates the web server is sending and receiving data. If this is not the case, check the following items:

- The sauna control unit is switched on.
- The web server has a voltage supply and is operating.
- The cable connection between the sauna control unit and the web server is in order.
- The sauna control unit is operating with software version V1.03 or higher.

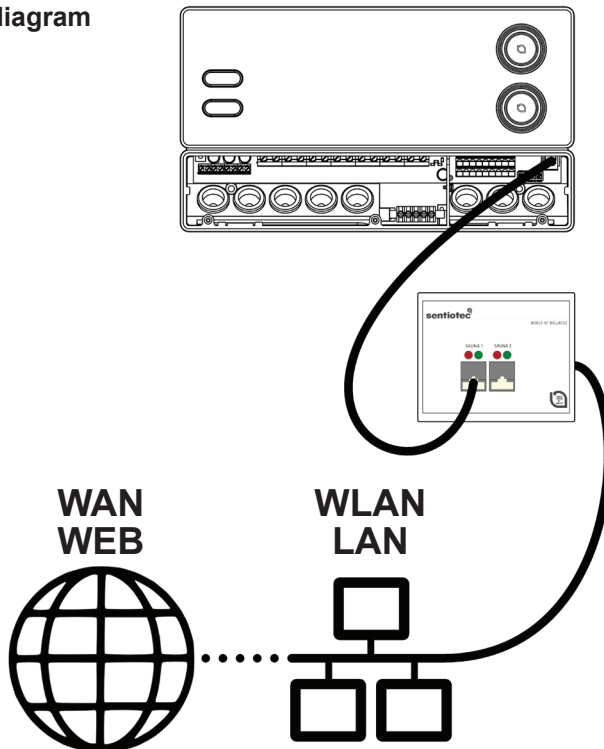
5. Starting up for the first time

Once all cables have been connected, the web server can be started up.

2 options are available:

- **Operation in a local network (WLAN/LAN)**
 - **WLAN:** See 5.1. Setting up a new local WLAN network on page 10
 - **LAN:** See 5.2. Integration into an existing local area network (LAN) on page 11
- **Operation in a network with an Internet connection (WEB/WAN):**
 - See 5.3. Setting up WEB access on page 12

Fig. 3: Network diagram



5.1. Setting up a new local WLAN network

You can use any standard, commercially available WLAN router with an Ethernet connection to set up a new local WLAN network. The pronet web server is connected directly to the WLAN router, and is therefore registered in the network as a separate device with a specific IP address.

As a default setting, the web server has been allocated the IP address:

192.168.0.110

which is used to access it.

- Enter the IP address in the address bar of your Internet browser.
 - ▶ If the web server is accessible, a log-in window appears, in which you enter your user name and password.
The following standard settings are used:
User: sauna
Password: sentiotec
 - ▶ If you are unable to connect to the web server, proceed with the following item **Setting up a WLAN router**. Observe the operating instructions for your router when doing so.

Setting up a WLAN router

1. Use your PC, tablet, smartphone, etc. to connect to the router using WLAN.
 - ▶ If you are unable to connect to it using WLAN, use a network cable to connect the router to your PC and following the instructions provided by the router manufacturer in order to access the device configuration.
2. Enter the IP address of your router in the address bar of your browser (see the instructions for the router).
 - ▶ The configuration page for your router opens.
3. Change the IP address of the router to **192.168.0.254** and, if necessary, the subnet mask to **255.255.255.0**.
 - ▶ Save the settings and try to connect to the web server again.

5.2. Integration into an existing local area network (LAN)

Connect the web server to your existing local area network (LAN) and enter the following IP address into the address bar of your browser:

192.168.0.110

- ▶ If the web server is accessible, a log-in window appears, in which you enter your user name and password.

The standard settings are:

User: sauna

Password: sentiotec

- ▶ If the network address of your network is different from the IP address of the web server, you can change the IP address of the web server manually.

To do so, proceed as follows:

1. Except for the voltage supply, disconnect all cable connections to the web server and connect it to a PC with the aid of a mini USB cable.
 2. The web server is identified by the PC as a virtual network, and can now be accessed using the IP address “**192.168.7.2**”.
 3. You can now change the IP address to suit your requirements using the settings menu of the web server.
- ▶ If a connection was set up successfully, the main window of the web app opens. Continue with item **6. Operation on page 13**.



If you are unable to start up the web server, check that the cables are in order or consult your network administrator.

5.3. Setting up WEB access

Once your web server has been integrated into a network that provides access to the Internet, the Internet can be used to access your sauna control unit from anywhere in the world. Prerequisite for this is a PC, smartphone, tablet, etc. that is also connected to the Internet.

Before you start setting up the web server for Internet access, conducting an online test is recommended. Using your local network, open the system settings of the web server and start the item “**Online Test**”.

- ▶ If this test proceeds successfully, then the connection to the Internet is intact and you can continue with logging in.

The following Internet address is used to access the log-in page for your web server:

<http://pronet.sentiotec.com>

The next step involves entering the serial number of your web server and the password for the server. By default, the password for the server is **sentiotec**.

- ▶ The serial number can be found on the device sticker applied to the rear of the web server.

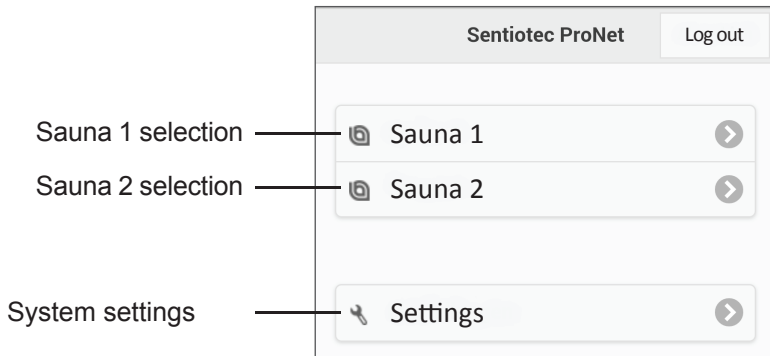


To prevent misuse, you should change the password after logging in for the first time. This is only possible using local access. See **6.4. System settings on page 17**.

- ▶ If a connection was set up successfully, the main window of the web app opens. Continue with item **6. Operation on page 13**.

6. Operation

If a connection was set up successfully, the following window appears in your web browser:



Depending on the number of control units connected, the figure above may differ from the display in your browser.

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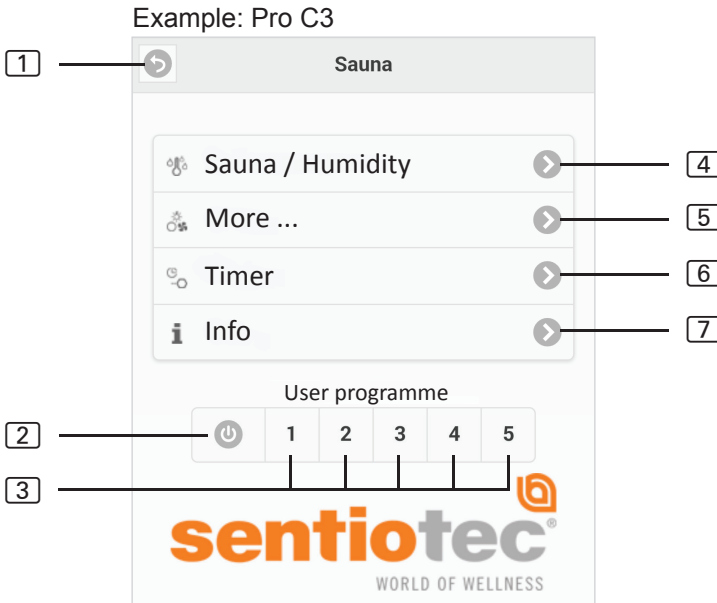
Select the required sauna control unit in the next step by clicking on **Sauna 1** or **Sauna 2**:

- ▶ You will then be shown an overview of the available functions (see **6.1. Overview of the main menu on page 14**).

Overview of Professional functions:

| <i>Pro B2</i> | <i>Pro B3</i> | <i>Pro C2</i> | <i>Pro C3</i> |
|---------------|---------------|------------------|------------------|
| Sauna | Sauna | Sauna | Sauna |
| - | Humidity | - | Humidity |
| - | - | Auxiliary output | Auxiliary output |
| - | - | Light | Light |
| - | - | Fan | Fan |
| Preset time | Preset time | Preset time | Preset time |
| Heating time | Heating time | Heating time | Heating time |

6.1. Overview of the main menu



- 1 **Back** – back to sauna selection
- 2 **All Off button** (for Pro C) – switches all active functions off with one click.
- 3 **User programs** (for Pro C) – this is used to start the user programs saved on the control unit. Creating/changing programs is only possible using the control unit.
- 4 **Sauna/Humidity** – menu for setting the temperature or humidity respectively.
- 5 **More** – menu for operating the auxiliary output, light and fan.
- 6 **Timer** – menu for setting the preset time and heating time.
- 7 **Info** – shows the current status of, and any error messages issued by, the sauna control unit.

6.2. Operating example



WARNING!

Risk of fire

Flammable objects that are placed on the sauna heater could ignite and cause fires.

- NEVER place flammable objects on the sauna heater.
- Make sure that NO flammable objects have been placed on the sauna heater before the sauna control unit is switched on.

Select the sauna control unit:

Sauna 1

Select the function:

Sauna / Humidity

Enter settings:

On

Target temperature [° C]

98

1. Set the preferred temperature/humidity using the slider or by text input.
2. Switch over the function switch by clicking **ON**.
 - ▶ The sauna heater/evaporator starts heating.

6.3. Setting the preset time

**WARNING!****Risk of fire**

Flammable objects that are placed on the sauna heater could ignite and cause fires.

- NEVER place flammable objects on the sauna heater.
- Make sure that NO flammable objects have been placed on the sauna heater before the sauna control unit is switched on.

To start the sauna control unit with time-delay or at a specific time, a preset time must be set under the menu item **Timer**. The required functions must be activated beforehand. To do so, proceed as follows:

1. Use the Sauna/Humidity menu to set the preferred settings for the sauna and humidity.
2. Switch the function to **ON**.
 - ▶ The sauna heater temporarily starts heating.
3. Once all settings have been made, switch to the Timer menu.
4. Now set the preferred preset time in hours and minutes under the item **Preset time** (observe that this setting controls the amount of time until the control unit switches on).
5. Press **Start**.
 - ▶ All functions started beforehand are stopped. The preset time is now active and the remaining time is shown in the main menu, as shown in the following figure:
 - ▶ Example:



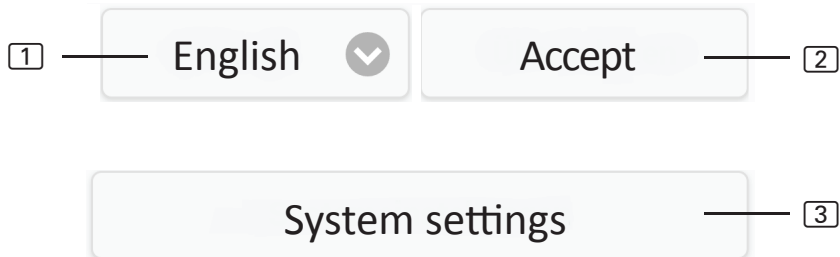
Preset time: 03h 08 min

- ▶ Once the time displayed has elapsed, the previously selected functions start.
- ▶ Clicking on this window automatically redirects you to the timer menu.

6.4. System settings

You can access the settings menu using the field **Settings** (see **6. Operation on page 13**). For security reasons, this menu can only be accessed using a local connection (LAN/WLAN).

You can change the menu language of the web app in the first step. Select the preferred language **1** and confirm your selection by clicking on **Apply** **2**.



You can access the settings menu using the menu item **System Settings** **3**. It includes the following setting options:

IP address

- ▶ You can enter all network settings, such as the IP address, the network mask, the standard gateway and the DNS server address here. Furthermore, DHCP can be activated, meaning that the IP address of the web server is assigned dynamically and not statically.

Change sauna name 1/2

- ▶ The sauna names displayed can be changed here. (Note: At least 3 characters must be used.)

Software update

- ▶ The software used by your web server can be updated here. You can choose between **Manual software update** and **Automatic software update**. When set to automatic update, an online search is performed for the latest software (only when connected to the Internet). To update the software manually, click on **Select file** and select the update file you have saved (system.bin). The latest software can be found in the download area of our website www.sentiotec.com. Then click on **Start upload** to load the file onto the web server. To ensure all changes are activated, the web server must then be rebooted. After the update, deleting the browser data from your browser is recommended so that all changes are visible straight away.

Logo

- ▶ A logo of your own can be selected and loaded to the server here. This logo is only displayed when access is local. Depending on the Internet browser, it may take some time until the logo is displayed.

Change password

- ▶ The password can be changed here.

Online access

- ▶ Web access can be activated and deactivated here (VPN).

Online test

- ▶ This is used to test the Internet connection for web access.

Version information

- ▶ The serial number of the web server, the licence number, and the software version of your web server are displayed here.

Restart

- ▶ Clicking on **Restart control unit** reboots the web server (e.g. after changing settings or in the event of problems). This process can take up to one minute.

7. Cleaning and maintenance

7.1. Cleaning

ATTENTION!***Damage to the unit***

- NEVER immerse the device in water.
 - Never pour water over the device.
 - Never clean the device with a cloth that is too wet.
-

1. Immerse a cleaning cloth in a mild, soapy solution.
2. Wring the cleaning cloth out well.
3. Wipe down the web server housing carefully.

7.2. Maintenance

The pronet web server does not require maintenance.

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8. Troubleshooting

- If it is not possible to operate the sauna control unit, open the item **Info** (see **6.1. Overview of the main menu on page 14**) and check the status. Follow any instructions that appear to rectify the problem.
- If changes such as a logo or sauna names are not applied straight away, the browser data in your browser may have to be cleared.
- In the event of problems affecting the network and its configuration, consult your network administrator.
- For your own safety, consult your supplier in the event of problems that are not explained in sufficient detail in the installation instructions.

9. Disposal



- Dispose of packaging materials in accordance with the applicable disposal regulations.
- Used devices contain reusable materials, as well as hazardous substances. Do not dispose of your used device with household waste, but do so in accordance with the locally applicable regulations.

10. Technical data

Ambient conditions

| | |
|----------------------|------------------|
| Storage temperature: | -25 °C to +70 °C |
| Ambient temperature: | 0 °C to +40 °C |
| Relative humidity: | max. 90% |

Web server

| | |
|--------------------|-----------------|
| Dimensions: | 95 x 77 x 45 mm |
| Operating voltage: | 5 V DC |
| Rated current: | 500 mA |

Compatible web browsers

- Browsers based on WebKit (e.g. Google Chrome, Safari)
- Opera, version 10.70 or higher
- Mozilla Firefox, version 24.0 or higher
- Internet Explorer, version 10.0 or higher

