

COMPUTHERM

User Manual

*Control your devices from anywhere in the world.
Efficiently. Reliably. Easy.*

Save and control your home through your smartphone

The product:

- **CompuTherm B Series** is a Wi-Fi programmable thermostat controller. The device is an Internet connected relayed module, that includes a weekly schedule. The latter could be programmed and controlled via an Internet connected PC desktop computer or a smartphone.
- **CompuTherm B Series** allows the fast automatization of every electrical device, regardless of its manufacturer or model
- The technology set in **CompuTherm B Series** allows it to connect with any wireless Internet, without the need of any additional settings.
- **CompuTherm B Series** is a complex system with which you not only turn on and off your devices remotely, but manage and adjust a number of devices in your home, office, house or villa.
- **CompuTherm B Series** allows the users to receive real time information for all connected devices — their work and current status.

We have two types of **CompuTherm B Series** devices: **B300** (classic) which has a wired temperature sensor and **B300RF** with wireless temperature sensor.

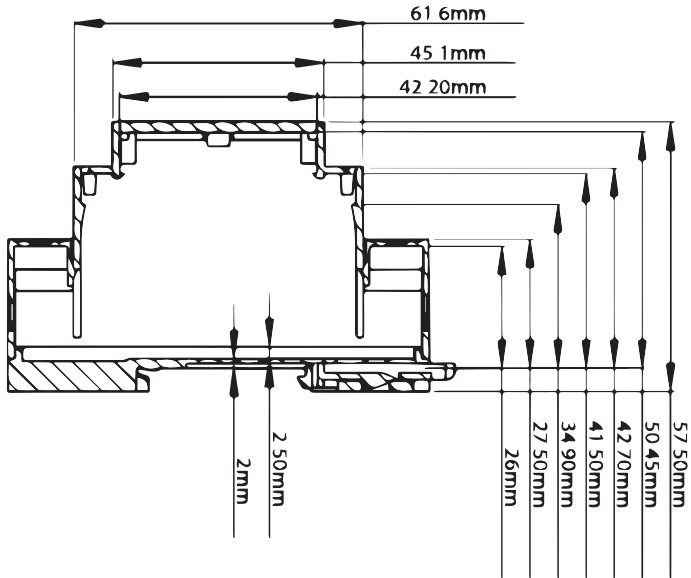
Why choose CompuTherm B Series:

- Saves you money from your electricity bill
- Optimizes the use of every connected electrical device or appliance
- Complete integrated control system
- Easy to use and user friendly software interface
- Flexible work modes – thermostat and on/off
- Work with up to four wireless sensors for **B300RF** and four wired ones for **B300**.

CompuTherm B Series could be used for:

- Control of electric water heaters
- Control of gas boilers and solid fuel boilers
- Control of solar systems
- Control of irrigation systems
- Control of indoors and outdoors lighting
- Control of various types of electric devices and appliances

Technical specification



Temperature measurement range	-55°C — +125°C (0,1°C range)
Temperature range set	-55°C — +100°C (0,1°C range)
Temperature accuracy	±0,5°C (from -10°C till +85°C)
Clock	Internet NTP, accuracy up until 100 ms
Programme	Switching Modes: <ul style="list-style-type: none"> • Turned off • Weekly schedule work • Manually set temperature
Upper and lower hysteresis (set by the user in the outlined ranges)	0°C — ±75°C (0,1°C range)
Switching socket	Max. 230V~; 16 A (4A inductive load)
Central charging block	100-240V~ 50/60Hz 35mA T45
Central block – consumption	<5W
Central block – working frequency	Wi-Fi (b/g/n) 2,4GHz
Central block – size	90,2 x 53,3 x 56,5 mm (LxWxH)
Temperature sensor - voltage*	3V (2×1,5V type AA) alkaline batteries (LR6)
Temperature sensor – working frequency*	433 MHz
Temperature sensor – range*	Minimum of 100m of empty space
Temperature sensor – size*	105 x 85 x 30 mm (LxWxH)
Working temperature	0° — +45°C
Storage temperature	-20°C — +60°C
Working humidity	5% — 90% without condense
Protection degree, provided by the sheath	IP20 - at installation position

Ambient temperature during transportation	from -20°C till +60°C
Air humidity during transportation	from 5% till 90% without condense
Main unit fuse	FF1 T 250mA 250V 35A
Wireless temperature sensor's fuse	F1 IH 0,30A IT 0,60A U 30V I _{max} 10A 0,1s max
Overvoltage category	II
Chain type	SELV
Network topology	Wireless communication

* It concerns the **B300RF** modification

Safety instructions

Please, read before using the device for the first time

The outlined safety procedures below are to be followed while using the current product. Please, do follow all warnings in the device's user manual.

General safety instructions

You are the only one responsible for the device's usage, as well as for any caused damages in consequence of that. The device's usage is a subject of the set safety measures for the customers and their environment. Please do not press the device too hard. Always use it and its accessories gently and keep them in a clean place, away from any dust. Do not expose them to open fire or in any proximity to lighted tobacco products. Do not let the device and its accessories to fall down, do not throw or fold them. Do not use any aggressive chemicals, detergents or aerosols for their cleaning. Do not paint them and do not attempt to disassemble the device or its accessories. That could be accomplished only by a qualified professional. The device's working temperature is from 0°C till +45°C and storing temperature of -20°C till +60°C. For removing electric products' waste, the

national and regional legislations are followed. The device is to be installed in electric switchboards or in the device/s it will manage and is created to control household devices and equipment.

Any unauthorised reconstruction and/or product modification is strictly forbidden following the European safety and approval directives (CE). The device works at supply voltage of 100-240V~/50/60 Hz. Services, settings and repairs could be accomplished only by an authorised service provider. For its repair use only the original spare parts. The usage of other spare parts could cause significant damages or injuries. If you notice any damage, please stop using the device. The device is intended for direct connection to TN / IT AC power supply 100-240V, 50/60Hz. Before cleaning the device, disconnect it from the power supply. Do not use any liquids or aerosols.

The device's installation is accomplished according to the manufacturers' instructions, the HD 60364-4-41 regulations and the national legislations.

Attention! Damaged power supply cables are a life threat as could lead to an electric shock.

Do not use the device if there is a damaged cable, power supply cord or network plug. In the case of power supply cable's damage, please leave its repair to a qualified professional!

Do not leave children with the device without supervision!

Do not let children play with the device. They cannot properly assess the danger of using electric devices. The device is not intended for use by individuals (including children) with limited physical, sensory or mental capabilities or without any experience and/or knowledge unless they are controlled by an individual responsible for their safety or have received instructions on how to use it. Use, set and keep the product only in places away from children. Do not leave the packing materials spread aimlessly. They could be a dangerous toy for your children. Your new device contains many small components with sharp edges that could cause injuries and upon disassemble - a swallowing or suffocation risk.

Electric safety

This device could be used only when powered by the specific supply unit. Every other way could be dangerous and terminates the validity of any issued device's certificate. Use the correct external power supply. The device should be powered only by the specific power supply as indicated on the nominal electric power supply's nameplate. If unsure of the power supply's type, please turn to the authorised service provider or to the local electric services company. Please, be extremely careful. Store and use the device in a place far from water or other liquids as those could cause a short circuit.

Dangerous environment limitation usages

Do not use this device in gas stations, gas storages, chemical plants or in places where flow blasting is taking place, locations with potentially explosive environment, for instance in places such as fueling areas, gas storages, ship holds, chemical plants, in installations for fuel or chemical transportation or storage and in zones where the air contains chemicals or particles such as grain, dust or metal particles. The sparks in such places could cause a blast or fire and in consequence - a severe health damage, even death.

In case you are in a flammable materials' environment, the device must be turned off and the user is to follow all instructions and warning labels. The sparks in such places could cause fires or explosions, leading to injuries and even death.

We highly recommend to not use the device in fueling areas, workshops or gas stations. The customers should follow the limitations set for high frequency devices' usage in fuel storages, chemical plants or in places of flow blasting work process.

Damages requiring repair

In case of any of the outlined cases below, unplug the device from the power supply and look for an authorised service provider or turn to the supplier for specialized repair: the product had been exposed to rain or moisture, slipped, hit,¹¹

damaged or has visible overheating traces.

Even though you are following the user manual, the device is not working correctly. Do not expose it to heating or in a close proximity to a heating source, such as radiators, thermal accumulators, furnices or other equipments (including amplifiers) that emit heat. Keep your device from any humidity. Never use the product in rain, in a close proximity to sinks, in other moist environment or in such with high air humidity. If the device ever gets wet, do not attempt to dry it off in a furnice or a dryer for the risk of damage is high!

Do not use the device after a sudden temperature change. If you are transferring the device between environments with big temperature and humidity level differencies, it is possible for the steam to condense on the surface and inside of the device. In order to avoid the device's damage, please do wait for the moisture to evaporate before using the device. Do not insert any elements in the device that are not part of its original accessories!

EU-regulations and disposal

The device fulfills all needed standards for the free movement of goods within the EU. This product is an electric device and as such must be collected and dispose of according to the European directive on waste electrical and electronic equipment (WEEE)

This product is in accordance of the regulations in Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) and its recasts.

Burns and fire prevention

Do not use the device if the premises' temperature goes above 40°C. Keep the highly flammable materials away from the device. Make sure free air access around the device is available.

Computherm B Series is a programmable thermostat controller set up to work with a wired or wireless temperature sensor. It is suitable for building and home installations, without the need of additional wiring. The wireless sensor communicates directly with **B300RF**, sending real time information regarding the recorded temperature in the premises, where it is installed. Using the received data,

Computherm B Series controls the heating and/or cooling installation, maintaining the previously set values from the user.

The innovative design and the independent power supply of **B300RF's** wireless sensor allows the easy installation and exploitation of the device in various professional and home systems for heating or cooling.

B300 package includes central control unit and a wired temperature sensor.

B300RF package includes central control unit and a wireless temperature sensor.

The two devices are already united and ready for use. During the set's installation, the user installs **Computherm B Series** according to the user manual to the desired device or appliance to control.

The product complies with the requirements of EN 50491-3.

Computherm B Series is created to work on the following environmental conditions:

- For premises' work;
- For altitude up to 2000m;
- For ambient temperature from 0°C till +45°C;
- For average maximum air humidity for temperature of up to 31°C - 80%, linear decreasing to 30% average humidity for 45°C temperature;
- For power supply deviation of $\pm 10\%$ to the measured range of power supply;
- For use under the conditions of the overvoltage category II;
- For environment with level 2 pollution (Pd2).

Attention! The protection against inflation and fire spreading is provided by the terminal equipment in which you would be embedding your device. Please keep all devices for remote control away from children.

Please watch the product's video installation and usage instructions on the following link: www.quantrax.hu



Installation guide

Step 1:

1.1 Every **B300RF** set includes:

- 1 pcs central control block;
- 1 pcs wireless temperature sensor;
- 1 pcs user manual for installation and usage;



Scheme 1a

Unpack the device and take the two main elements out of the box (**Scheme 1a**).



1.2 Every **B300** set includes:

- 1 pcs central control block;
- 1 pcs wired temperature sensor;
- 1 pcs user manual for installation and usage;

Unpack the device and take the two main elements out of the box (**Scheme 1b**).



Scheme 1b

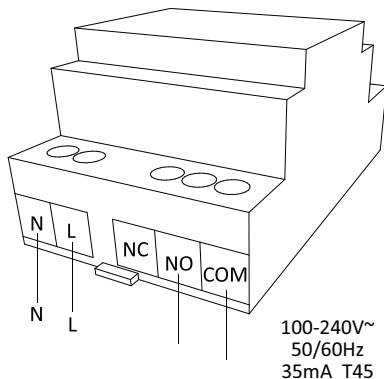
Attention! Switch off the power supply before installing **B300 and B300RF**. We highly recommend the installation to be performed by a qualified technician. If you do not possess the needed knowledge and qualification, please do turn to an authorised retailer!

Attention! Do not modify or influence the built in protection of the electric device in any way!

The device can be used for control of electric devices and appliances, heating systems or low-current systems that allow interruption of input fuse or are controlled by normally open/normally closed circle.

The **Computherm B Series's** thermostat can easily connect to every gas/pellet boiler or other heating system that has a double core connector for room thermostat.

Connect the two connection points of the device you wish to control to the outputs **NO** and **COM**, that is to the relays' normally open outputs. The thermostat's installation is outlined in **Scheme 2a**. The device must be installed and connected by a qualified professional.

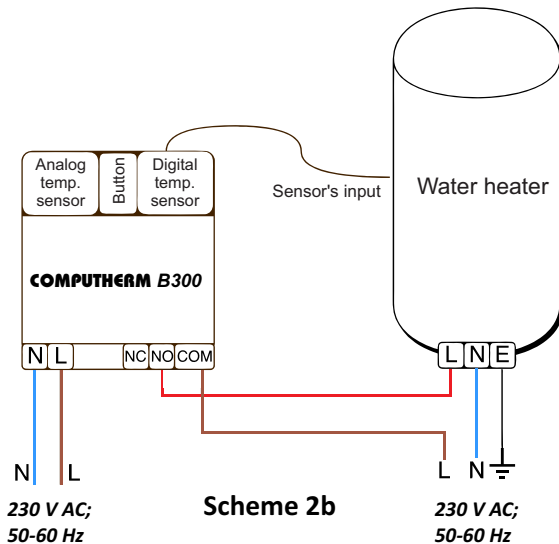


Scheme 2a

B300RF could be used as a room thermostat. For that type of installation the temperature sensor is positioned in the premise where the temperature is to be measured.

Scheme 2b shows an example of a **B300** connection to an electrical boiler.

The temperature sensor could be used for measuring the temperature in the device by placing it in the specialized plug.



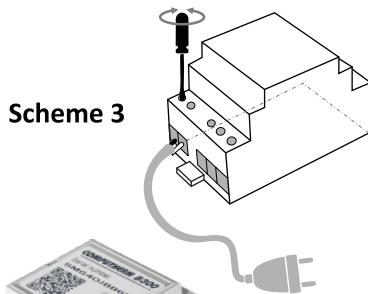
The thermostat can also be used in cooling mode. In that case, the output terminals **NO** and **COM** are closed above the set temperature. Please contact the manufacturer/distributor of the cooling equipment for the installation. The cooling mode can be chosen in section **'Settings'** from both the web page and the mobile application after **'Login'** into the system.

1.3 Central control block's installation

Connect the power supply cable to the **Computherm B Series's** main control block. After that, connect it to the power supply (**Scheme 3**).

1.4 Installation possibilities

Computherm B Series is a product, constructed for installation in limited access zones and must be installed to the switchboard using a Eurorim (**Scheme 4**).



Scheme 3



Scheme 4

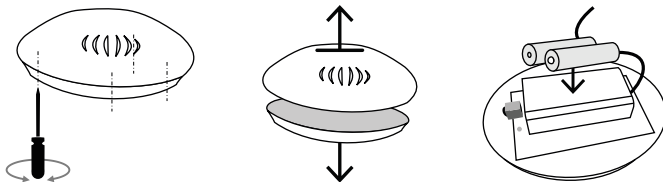
1.5 A few requirements must always be considered and followed during installation:

- The device's installation and connection must be accomplished according to the national legislation for electrical installations.
- All activities on the device's installation, uninstallation, service and repair are to be made only after it had been securely removed from the power supply (the controller itself, as well as the chain it controls through the relayed exit).
- The device is to be installed only in places with limited access with the assistance of an instrument or key and are accessible only to the service personnel or a user who has passed the initial training.
- The wiring must be completed using double insulated wires.
- Automatic circuit breakers 25Amax 250V must be installed to the electric installation to ensure the protection against short circuits and possible overload.
- Disengagement tool must be provided for the electric installation during the device's installation and the needed safety is to be ensured for the service provided.

- All connections to the relay's outputs in the device must be conducted with conductors with an insulation resistance not lower than that of the insulated conductors of PVC T 105°C.
- The device's installation is conducted by the manufacturer's instructions and following the HD 60364-4-41 requirements, as well as the national legislation.
- Installation of the controller in a way that the terminals are positioned less than 5mm from the metal parts and the device's surface, is strictly forbidden.
- The device is installed only in a shell allowing the needed level of protection of the end product. Its installation on accessible surfaces and covers, allowing the easy access without the use of any instrument, is strictly forbidden.
- The device's installation must be accomplished in such a way as to deem it impossible to accidentally activate the reset button.

Step 2: Temperature sensor connection and usage. If you have **B300**, please proceed to step 2.2

2.1 If you have **B300RF**, unscrew the four screws from the wireless sensor and remove the bottom lid. Then, place 2xAA alkaline batteries (LR6 type) in the batteries holder (**Scheme 5**).

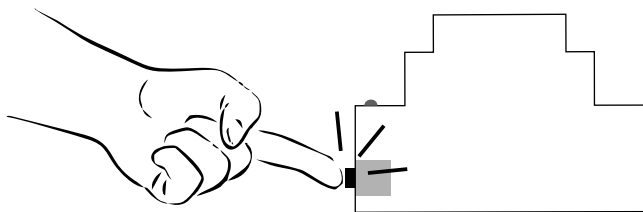


Scheme 5

The main block and the temperature sensor are already paired. The pairing procedure is performed upon change or adding of additional temperature sensor. If you do not need to perform any of those two actions, please proceed to closing the temperature sensor's box, screw back the four screws and continue to **Step 3**.

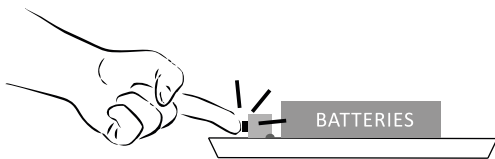
Pairing **B300RF** central block with the wireless temperature sensor

- Install **B300RF's** main block, as instructed in **Section 1.3**.
- Enter the **B300RF** central block's '**Settings**' mode via pressing and holding the button for three seconds. When in Settings mode the light emitting diode starts blinking intensely (**Scheme 6**).



Scheme 6

- Press the temperature sensor's button once (**Scheme 7**). This way the temperature sensor goes to '**Settings**' mode for 30 seconds during which time the light emitting diode will be blinking every second.

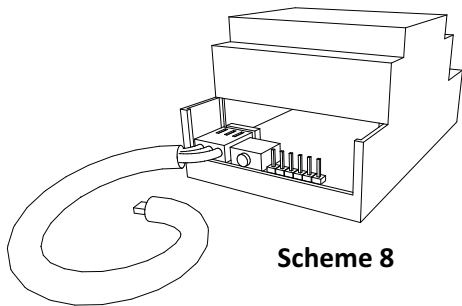


Scheme 7

- Once both devices are in **Settings** mode, press the main block's button once for sending the configuration to the wireless sensor. The settings are accepted by the wireless sensor when the light emitting diode starts blinking rapidly.

- Place the wireless sensor's lid and screw the four screws.
- After the successful pairing of the two elements, they start working normally.
- If the two elements do not successfully pair with one another during the 30 seconds in which the temperature sensor is in '**Settings**' mode, it continues to work upon the previously set settings.

2.2 If you have **B300**, you have a wired temperature sensor. In order to connect the wired sensor to the device, please remove the plastic lid from the side of the button. Insert the temperature sensor jack into the device's connector, then put the lid back on (**Scheme 8**).



Scheme 8

Step 3: Initial setting up and connection to a chosen Wi-Fi network

In order for the device to work properly, it must be connected to an Internet network. After the installation's finished, provide a supply voltage to the device and **B300**. Wait 10 seconds, press and hold the button for three seconds and follow the device's light indication.

Attention! In **Access Point** and **SmartConfig** modes, upon pressing the button for three seconds, the device will be nullified with default settings.

3.1 SmartConfig mode

The central block's blue light emitting diode starts blinking very rapidly for a quick period of time. That indicates the device is in **SmartConfig** mode. Please connect your mobile device to the Wi-Fi network where **B300** or **B300RF** will be operating in.

Open the **Computherm B Series** mobile app on your smartphone or tablet. If you still do not have the mobile app installed, you can download it from **Google Play store**, **Apple store** or **Windows Phone Store**.



Log in to your profile with your email and password. If this is your first **Computherm B Series** device purchased and you have not registered yet, you can do that in **Computherm's** webpage: <https://computhermbseries.com/> Press the 'Add' button for adding a new device, marked with a '+' sign and located in the upper hand side of the screen.

Press the button 'SmartConfig' (Scheme 9), type in the password of your selected Wi-Fi network and click on 'SEARCH' (Scheme 10).



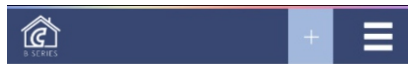
SMART CONFIG

Add device

Serial number *

SEARCH

Scheme 9



SSID

My Wi-Fi 2.4Ghz

Password

SEARCH

Scheme 10

Take a look at the blue light emitting diode and when its light goes off, and then stays on permanently, **CompuTherm B Series** device is all set up for work. Look at the mobile device's screen. The app is now ready to control **CompuTherm B Series** device.

If you have used **SmartConfig** mode, please proceed to **Step 4**.

3.2 **AP (Access Point)** mode

To switch to AP (Access Point), quickly press the device's button twice

The blue light emitting diode's blinking in a second's interval, signifying that the device's Wi-Fi module is in **AP (Access Point)** mode and you can connect to it through your PC or mobile device.

3.2.1 Initiate a wireless network search from your smartphone or laptop and connect to the

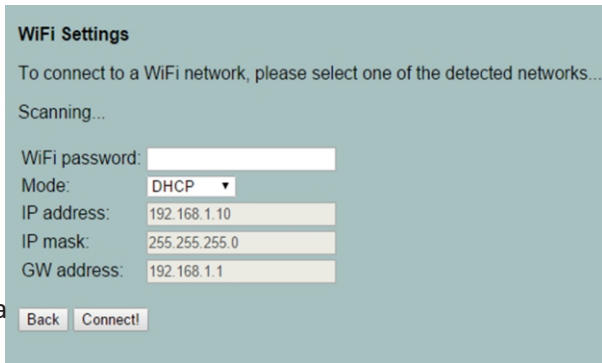
CompuTherm B Series's AP (the wireless network).

Every device creates a network with its own name, starting with BBoil_xxx and a combination of letters and numbers. For example, BBoil_254 and it does

not require a password for access.

3.2.2 After connecting, your browser will automatically open a new page giving you the chance to choose the wireless network, to which you want to connect the device (**Scheme 11**).

If your browser does not open automatically, please open it manually for the automatic opening of the browser is a manual setting and thus it could be turned off.

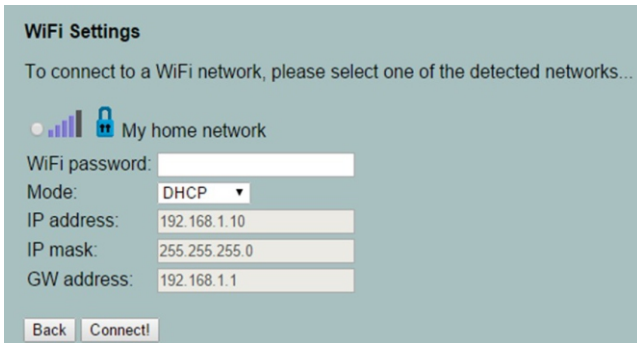


The screenshot shows a web interface titled "WiFi Settings". At the top, it says "To connect to a WiFi network, please select one of the detected networks..." followed by "Scanning...". Below this are several input fields: "WiFi password:" with an empty text box; "Mode:" with a dropdown menu set to "DHCP"; "IP address:" with the value "192.168.1.10"; "IP mask:" with the value "255.255.255.0"; and "GW address:" with the value "192.168.1.1". At the bottom, there are two buttons: "Back" and "Connect!".

Scheme 11



3.2.3 If your smartphone, tablet or laptop did not automatically load the settings page, as shown in **Scheme 11**, it could be accomplished manually. Open your browser and write the following address:

192.168.10.1



WiFi Settings

To connect to a WiFi network, please select one of the detected networks...

●   My home network

WiFi password:

Mode:

IP address:

IP mask:

GW address:

Scheme 12

3.2.4. Choose the desired **Wi-Fi network**, type in your password and click on the **'Connect'** button - **Scheme 12**

3.2.5. In up to 20 seconds **B300/B300RF** will switch to a working mode and the light indicator will be on all the time, blinking shortly per every second.

Congratulations! You connected your device successfully and can now add your profile in computhermbseries.com so you can control and monitor its work.

3.3 Working mode – When the blue light emitting diode is always on and goes off between two seconds, it indicates that **B300's** central block is in working mode. Upon holding the button for three seconds, **B300** will transfer to Settings mode in **SmartConfig** mode.

Step 4: User profile creation:

4.1 Once connected to the Internet, **B300** becomes invisible to the other devices in the network. The only way to connect with **B300** is via the user profile, associated with the particular device. If you do not have one, you can load the **Computherm's** page: <https://computhermbseries.com/> or download and install the **Computherm B Series** app in your smartphone or tablet:



4.2 If you choose to use a browser, open

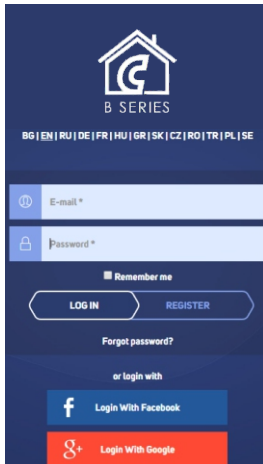
<https://computhermbseries.com/>

in your PC desktop or mobile device.

(Scheme 13).



Scheme 13



4.3 If you access the website or the app for the first time, you need to register or log in with your Facebook or Google + accounts just by clicking the particular button. **(Scheme 14).**

Scheme 14

4.4 New user registration.

Fill in the registration form's fields and click the **'Register'** button. You are now registered and may enter the app.

(Scheme 15).



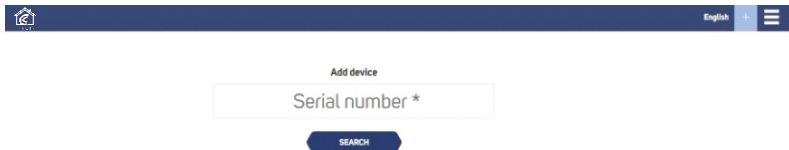
The image shows a registration form for the 'B Series' app. At the top, there is a logo consisting of a white house outline with a stylized 'G' inside, and the text 'B SERIES' below it. Below the logo is a horizontal line of language codes: BG | EN | RU | DE | FR | HU | GR | SK | CZ | RO | TR | PL | SE | IT. The form itself consists of five light blue input fields stacked vertically, each with a dark blue border. The fields are labeled: 'E-mail *', 'Name *', 'Phone', 'Password *', and 'Repeat password *'. At the bottom of the form, there are two dark blue buttons with white text: 'LOG IN' and 'REGISTER'.

Scheme 15

Step 5: Adding a device

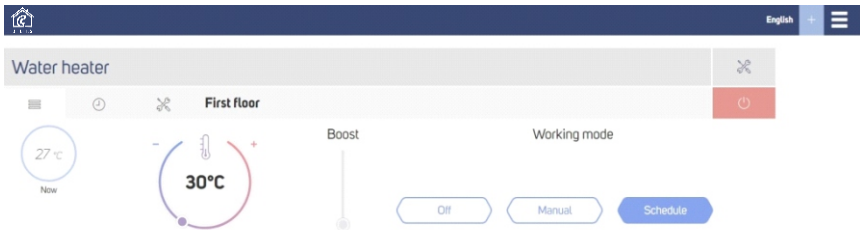
If you have used **SmartConfig** mode from step 3, please proceed to **step 5.3**.

5.1 Home Screen —After the successful login with username and password, you should already be seeing the home screen in your profile and can add the device you have received. Enter the serial number of your **B300** device that you previously connected to the wireless network (**Scheme 16**).




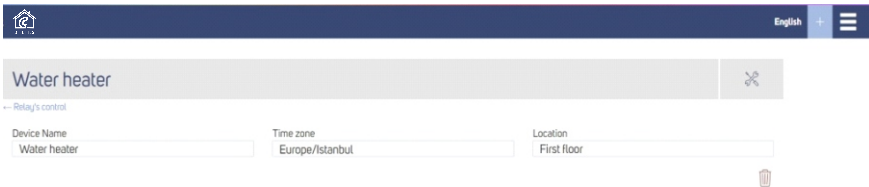
Scheme 16

5.2 Click on the **'Search'** button and after successfully finding your device, the application will redirect you to the main controlling screen (**Scheme 17**).



Scheme 17

In order to set a name for your device, as well as a time zone and location, press the  button in the upper right corner and fill in the fields (**Scheme 18**). From that window you can also delete the device from your profile via clicking the deletion button in the bottom right corner.



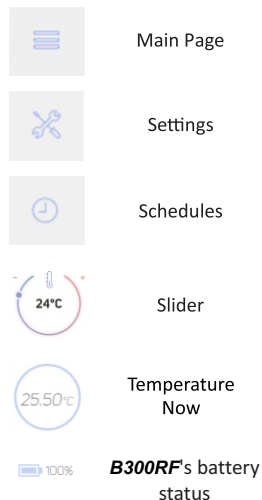
Scheme 18 37

5.3 You can now set and control your device.
The **'Now'** text shows the temperature at the moment, as detected by the device. On the right side you can locate a slider for setting the desired temperature. In the upper left corner you can see the following three pages:
(Scheme 19).

Step 6: Main screen

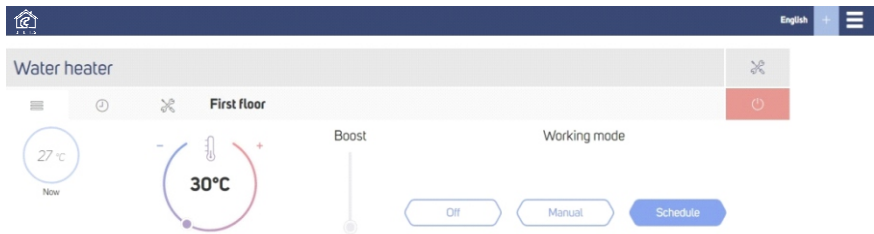
6.1 In the main screen you can find the working modes' buttons:

- **Off** - the device is not working
- **Manual** - the device is on and working until reaching the set temperature from the right slider
- **Schedule** - the device follows the set schedule



Scheme 19

Below the working mode's buttons, is the graph that indicates the temperature changes, as detected by the device. With a hover on the graph, you can see detailed information for each chosen point. After the 'Boost mode' has been chosen, the device is turned on until the desired temperature is reached and remains on for as long as it is the desired time by the customer. After the desired temperature is reached, **B300** and **B300RF** automatically comes back to its normal work (**Scheme 20**).



6.2 General scheme on Settings screen



The screenshot displays the 'Water heater' settings interface. At the top, there is a dark blue header with a home icon, the text 'English', and a plus sign. Below the header, the title 'Water heater' is shown in a light grey bar, followed by a refresh icon and a red power button. The main content area is divided into three columns. The left column contains general settings: 'Thermostat function' (Yes), 'Working mode' (Heating), and 'Temperature precision' (0). The middle column is titled 'Hysteresis /Low/' and features a circular slider set to 2°C, with input fields for 'Ranges of low hysteresis' (Minimal: 0, Maximal: 7). The right column is titled 'Hysteresis /High/' and features a circular slider set to 6°C, with input fields for 'Ranges of upper hysteresis' (Minimal: 0, Maximal: 16). A 'First floor' tab is visible at the top of the settings area.

Section	Setting	Value
General	Thermostat function	Yes
	Working mode	Heating
	Temperature precision	0
Temperature sensors	Sensor 1	Now
	Temperature ranges	
Temperature ranges	Minimal	0
	Maximal	75
Hysteresis /Low/	Slider	2°C
	Ranges of low hysteresis	
Hysteresis /Low/	Minimal	0
	Maximal	7
Hysteresis /High/	Slider	6°C
	Ranges of upper hysteresis	
Hysteresis /High/	Minimal	0
	Maximal	16

Scheme 21

In the **'Settings'** page, you can locate the two sliders for the Upper and Lower hysteresis. Their main purpose is keeping the set temperature with the highest possible energy savings and extending the electrical appliance's life.

You can manually set the value range between the lower and upper hysteresis and temperature. The range depends on the functionality of the controlled device. **(Scheme 22)**

Hysteresis /Low/	Hysteresis /High/
	
Ranges of low hysteresis	Ranges of upper hysteresis
Minimal <input type="text" value="0"/>	Minimal <input type="text" value="0"/>
Maximal <input type="text" value="10"/>	Maximal <input type="text" value="10"/>

In the General menu you can find the relay's working modes:

Scheme 22

- **Thermostat** – Default mode with active thermostat function. **B300** and **B300RF** monitors the temperature and manages the controlled device.
- **ON / OFF** – Temperature monitoring mode and with a turned off thermostat function. The connected device could be turned on and off manually or via the weekly schedule.
- **Garage** – A mode without monitoring the temperature and a turned off thermostat function. A short impulse is sent to the connected device. The impulse's length is set via the specific setting.

Attention! If you do not possess the needed knowledge or qualification, please do not change that setting.

You can choose working mode **'Heating'** or **'Cooling'** depending on the desired work and the controlled device or appliance. With the Temperature precision you can set the degrees' visualisation – **'0'** or **'0.0'**. In the field With the **'Emergency mode value'** you can set the desired temperature that the device would maintain for the **CompuTherm B Series's** device manual turn on through the hardware button (**please look at Scheme 6**). This turn on/off method is used in the case of lack of Internet connectivity or device for access to the system. In the **'Sensor 1'**

General

Working mode

Working mode

Temperature accuracy

Emergency mode setpoint

Temperature sensors

Group: 1, Sensor 1

Temperature ranges

Minimal

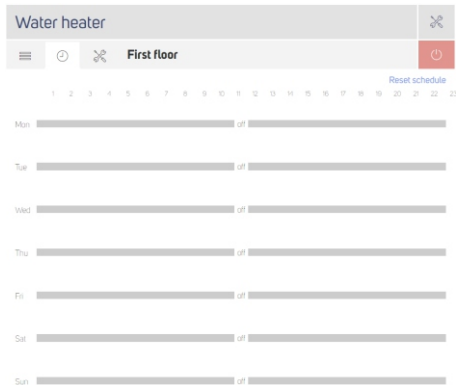
Maximal

Scheme 23

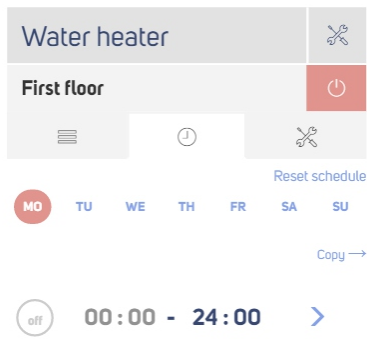
field you can set the temperature sensor's name. In the **Minimal** and **Maximal** fields from the main screen you can set the temperature slider's limits.

(Scheme 23)

6.3 In the **'Schedule'** page, you can see a form for setting a weekly schedule for autonomous control of the connected device to **B300/B300RF**. **Scheme 24a** shows an example of an empty schedule on a laptop's browser, and **Scheme 24b** - on a smartphone.

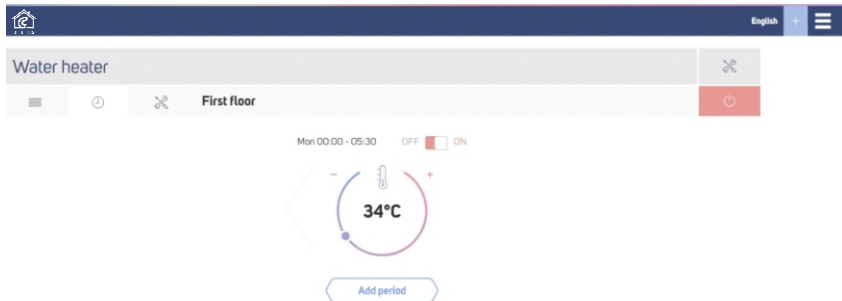


Scheme 24a



Scheme 24b

6.3.1 Press the axis on the desired day of the week. On the window that opens up, you can locate the buttons for splitting the set period – the day is split in two there is also a drop down menu for turning the chosen period on and off. When it is turned on, you see a slider for setting the desired temperature for that period.



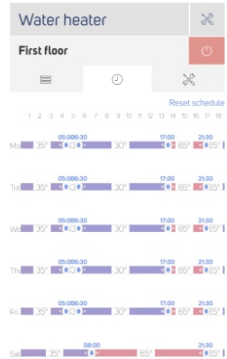
--- **Scheme 25**

To add a new period and come back to the schedule creation form, press the **'Add period'** button (**Scheme 25**)

6.4 This is an example of a weekly schedule's view on a laptop (Scheme 26a) and on a smartphone (Scheme 26b).



Scheme 26a

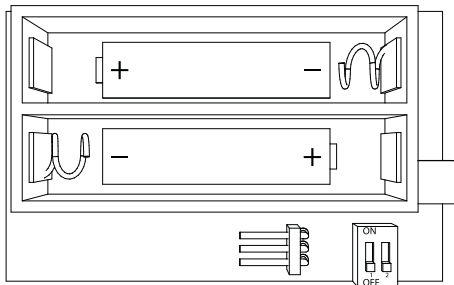


Scheme 26b

Important! We highly recommend to always update your browser to the latest version. The use of outdated browser versions could cause issues with the user interface's functions.

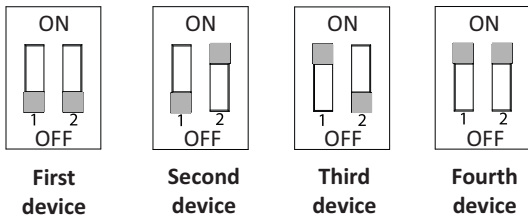
Step 7: Additional temperature sensors' connection. If you have a **B300** device, please proceed to **Step 8**.

7.1 **B300RF** can work with up to four wireless temperature sensors in the same time. In order to add one or more wireless sensors, unscrew the temperature sensor's four screws and remove the bottom lid (**Scheme 5**). Next to the battery holder, there are two switches in various positions **on/off**. (**Scheme 27**)



Scheme 27

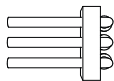
Following the position outlined in **Scheme 28**, place the switches depending on which following sensor you are connecting. In order to pair the wireless temperature sensor to the main controlling block, follow the steps as explained in **point 2.1**.



Scheme 28

7.2 Wired temperature sensor – For every wireless temperature sensor, a wired one with a ‘probe’ can be added. In order to add a wired sensor, unscrew the temperature sensor’s four screws and remove the bottom lid (**Scheme 5**).

There is a connector next to the battery holder to which you can connect the wired sensor's jack
(Scheme 29).



Scheme 29

Step 8: Servicing of ***Computherm B Series***

8.1 ***Computherm B Series*** is cleaned with a dry or slightly dampened with water towel. The use of aggressive or abrasive cleaning liquids is strictly forbidden.

8.2 The condition of the terminals, terminal connections, as well as the connection reliability of external wires needs to be checked every six months, and strengthened if needed.

Attention! When the Internet connection is interrupted, ***Computherm B Series*** continues working at the set mode. By pressing the device's hardware button, you can turn it on and off in the Manual mode, depending on its current status. In this case, when the Internet connection is restored, the device will follow the mode that had been set by the hardware button.

Warranty

The warranty of the device is 24 months from the date of purchase. The serial number of the **CompuTherm B Series** device is unique and you need to present it in the event of a problem during the warranty period.

The warranty will not be recognized if any of the following events occur:

- Lost or counterfeited warranty card;
- Damages, caused from wrong installation and exploitation;
- Attempted repair from an unauthorized service provider;
- Chemical, electrical or other influence on the product, which is not part of its natural usage.
- Distorted physical integrity of the device

All claims under the warranty are to be directed at the shop the device had been bought from or directly at the manufacturer Quantrax Ltd.

The Wi-Fi programmable thermostat **Computherm B300** and **B300RF** complies to all of the following standards and regulations: EU EMC 2014/30/EU, LVD 2014/35/EU, RED 2014/53/EU, WEEE 2012/19/EU and the RoHS 2011/65/EU. BDS EN 55022:2010 (CISPR 22:2008); BDS EN 55024:2010 (CISPR 24:2010); BDS EN 55016-2-3:2010+A1:2010 (CISPR 16-2-3:2010+A1:2010); BDS EN 61000-4-3:2006+A1:2008+A2:2010 (IEC 61000-4-3:2006+A1:2007+A2:2010); BDS EN 61000-3-2:2014 (IEC 61000-3-2:2014); BDS EN 61000-3-3:2013 (IEC 61000-3-3:2013); BDS EN 61000-4-2:2009 (IEC 61000-4-2:2008); BDS EN 61000-4-4:2012 (IEC 61000-4-4:2012); BDS EN 61000-4-5:2014 (IEC 61000-4-5:2014); BDS EN 61000-4-6:2014 (IEC 61000-4-6:2013); BDS EN 61000-4-11:2006 (IEC 61000-4-11:2004); BDS EN 60730-1:2012; BDS EN 60730-2-9:2010; BDS EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013 (IEC 60950-1:2005+A1:2009+A2:2013); EN 60730-1:2011 (BDS EN 60730-1:2012), EN 60730-2-9:2010 (BDS EN 60730-2-9:2010); EN 50491-1:2014 (BDS EN 50491-1:2014); EN 50491-3:2009 (BDS EN 50491-3:2009)



Manufacturer:
Quantrax Ltd
34 Fülemlé Str.
6726 Szeged, Hungary
www.quantrax.hu