EN

autoterm

BALTICA CONTROL

User’s manual

v05.2026-1

CONTENTS

INTRODUCTION	Page 3
GENERAL SAFETY & LIABILITY	Page 4
GENERAL INFORMATION	Page 5
DISPLAY	Page 6
CONTROLS & INDICATORS	Page 7
MOUNTING & CONNECTION	Page 8
MAIN MENU	Page 9
TIMERS	Page 10
- TIMERS - SET & ADJUST	Page 11
OPERATION MODES	Page 13
- SET THERMOSTAT MODE	Page 15
- SET WATER HEATING MODE	Page 16
- SET GRID HEATING	Page 17
SETTINGS	Page 18
ERROR & MAINTANACE	Page 21

INTRODUCTION

Dear Customer,

Thank you for choosing the **AUTOTERM BALTICA CONTROL** panel. We are committed to ensuring that this product meets your requirements and delivers a level of **quality that satisfies every customer.**

BALTICA CONTROL is designed to be **intuitive and easy to use**, providing a comfortable and efficient way to manage your climate and domestic hot water.



Please note that **AUTOTERM BALTICA CONTROL is compatible ONLY with the BALTICA FLOW 5 heater**. Use with other AUTOTERM heaters **may result in heater damage.**



Always read and follow this manual before using the product. Failure to do so may result in injury, property damage, or voiding of warranty.



Due to the use of fuel, electrical, and hot water components, improper handling or installation of the BALTICA system may result in fire hazards and property damage. Therefore, all installation, operation, and safety instructions must be strictly followed.

GENERAL SAFETY



This product involves potential hazards related to heat, fuel, coolants, and electrical connections. Improper handling may result in burns, fire, toxic exposure, or electric shock. Always use appropriate protective measures, follow all instructions carefully, and ensure components are properly maintained and handled to reduce risk.



Detailed safety information for the BALTICA heater and BALTICA tank is provided in the operating manuals supplied with each respective unit.



In the event of heater malfunction, please contact an AUTOTERM-authorized service provider for inspection and repair.

LIABILITY



The manufacturer shall not be liable for any damage resulting from improper installation or repairs performed by uncertified personnel, or from the use of third-party parts and accessories without prior approval from the manufacturer.

GENERAL INFORMATION



1 DISPLAY **2** ROTARY KNOB **3** BACK BUTTON

4 QUICK BUTTON **5** LED INDICATORS

DISPLAY

SCREENSAVER



The control panel enters sleep mode after a **period of inactivity** set in the display **settings**.

While in sleep mode, the display is either **inactive** or shows a **screensaver**.

Sleep mode is canceled by pressing the **knob** or the **back button**.

While screensaver mode is active it displays:

- ambient temperature
- current time and date
- set operation mode, if active
- coolant temperature

MAIN SCREEN



While **MAIN SCREEN** is active it displays:

- current time
- power supply voltage
- ambient temperature
- set operation mode, if active
- active timers and timer mode
- coolant temperature

When an operation mode is active, its **symbol** is displayed on the main screen and **functions as a QUICK MENU**. Rotating the knob allows access to **three options**:



Active operation mode settings



Shut off the heater



Access the MAIN MENU

The selection is confirmed by pressing the knob.

CONTROLS & INDICATORS



ROTARY KNOB

The rotary knob is the **main** navigation control.
Press to **enter** the menu and **confirm** selections.
Rotate right to **scroll forward** or **increase** values, and left to **scroll back** or **decrease** values.
If ***THERMOSTAT*** mode is active, **rotating** the knob while **in sleep mode adjusts** the set temperature **without confirmation.**



BACK BUTTON

Press once **to return** to the previous screen.



LED INDICATORS

Shows the operating mode and status of the heater:

- **RED**– heating mode active
- **BLUE** – GRID mode active
- **GREEN** – switching off (purge mode)
- **RED** (blinking) – error (with display message)
- **LIGHT GREEN** (blinking every 5s) – timer enabled



QUICK BUTTON

Used for fast heater control and timer access:

- **PRESS** (heater off): opens ***HEATING*** menu
- **LONG PRESS** 2s (heater off): starts heater with previous settings
- **LONG PRESS** 2s (heater on): switches off heater
- **PRESS** (heater on, sleep mode): opens active mode settings
- **PRESS** in ***TIMERS***: enables/disables selected timer

MOUNTING & CONNECTION

The control panel can be **mounted** using **screws** or double-sided **adhesive tape**.

For **screw mounting**, remove the back panel by carefully prying it off with a thin flat screwdriver, then secure it to the desired surface.

For **adhesive mounting**, ensure both the panel and surface are **clean and degreased** before installation.



To extend the control panel wiring, use **only designated extension cables**.

When **connected** to the power supply, the control panel switches on **automatically**.
LEDs illuminate and the **AUTOTERM** logo is **displayed**. Connection takes up to **20 seconds**.
If successful, the **MAIN SCREEN** appears; otherwise, ***"No connection!"*** is shown.



After disconnecting the control panel from the power supply, the **time and date must be reset**.
All other settings, including timers, remain saved.

MAIN MENU

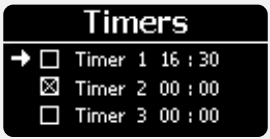
The **MAIN MENU** is accessed from the main screen by pressing the rotary knob once.
Navigate by rotating the knob and press it again to enter the selected menu.

TIMERS		**Set** and **enable/disable** up to **three timers**.
THERMOSTAT		**Adjust** interior heating **temperature** and **control** the **ON/OFF timing** of an additional heating elements.
WATER HEATING		**Activate** the BALTICA heater in **water heating** mode.
SETTINGS		**Configure general** control panel and heater **settings**.
GRID		**Enable heating** without heater combustion using **GRID power.**

TIMERS



In the ***TIMERS*** menu, up to three timers can be set to start the heater at a specified time, in the selected mode, for a defined duration.
To configure timers, select the ***TIMERS*** menu from the **MAIN MENU** by pressing the knob once.



Select one of the three timers by rotating the knob and pressing it to confirm.
The default timer settings are ***0:00 – ED – Heating***.

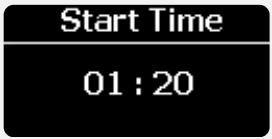
Quick button ( ) can be used to enable/disable previously set timers.



After selecting a timer, rotate the knob to choose either enable or adjust, then press the knob to confirm.

TIMERS - SET & ADJUST

1



Set the **start time** for the heater by selecting **hours and minutes**, confirming **each step** with the knob.

2

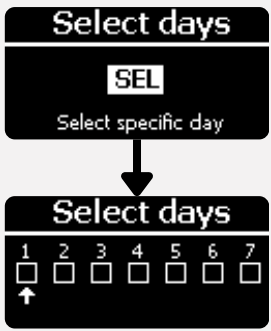


Set the operating **duration**, which can be adjusted from **30 to 480 minutes** in 5-minute increments.

3







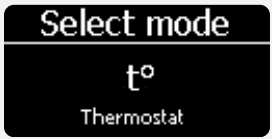
Select the operating days:

- **ED** (*Every Day*) – heater starts **daily**
- **EW** (*Every Workday*) – heater starts **Monday to Friday**
- **SEL** (*Select specific days*) – choose **individual days:**

1 – Monday **2** – Tuesday **3** – Wednesday **4** – Thursday
5 – Friday **6** – Saturday **7** – Sunday

TIMERS - SET & ADJUST

4



OR



Set the **operation mode - THERMOSTAT** or **WATER HEATING.**



When all parameters are set, a ***"Saved"* message** is displayed and the timer is **enabled automatically.** Enabled timers are shown at the bottom of the main screen. The **LED** indicator **blinks** light green once **every 5 seconds** when a timer is active.

A **white dot** next to the timer indicates that ***WATER HEATING* mode is enabled** for that timer.

OPERATION MODES



In ***THERMOSTAT*** mode, the control panel **regulates** the **relay output** by switching it **ON** or **OFF** based on the **built-in** room temperature **sensor** and the **set temperature**. The heater's **combustion** remains **continuous** to ensure a **constant** coolant and hot water **supply**.

Delta temperature settings can be adjusted in the ***SETTINGS*** menu.



In ***WATER HEATING*** mode the **heater** starts and **maintains** the coolant **temperature at 90 °C** to provide **hot water through** the BALTICA tank **heat exchanger.**



GRID HEATING mode allows operation of ***THERMOSTAT*** and ***WATER HEATING*** modes **without heater** combustion, using **only GRID** power to heat up the coolant in the BALTICA tank.
GRID function **does not** control the heating elements located in the Baltica tank.

To access ***GRID HEATING*** mode, it must be **enabled** in the ***SETTINGS*** menu. If it is **not shown** in the **MAIN MENU**, it is either **disabled** or the heater is **operating in combustion mode.**

OPERATION MODES

Switching between operating modes is **not possible** while the heater is **running**.
The heater must be switched off first.

Adjustments can be made from the **MAIN SCREEN** using the **QUICK MENU** while the **mode is active.**

In ***THERMOSTAT*** mode, the temperature can be set from **0 °C to 30 °C** in **1 °C** increments.

The operating time can be adjusted from **30 minutes** up to **continuous operation (∞)** by rotating the knob, with the following steps:

- **5** minutes (up to 2 hours)
- **20** minutes (from 2 to 12 hours)
- After **12** hours, the next step is **∞**

Combustion heating modes are **not available** while any ***GRID HEATING*** mode is **active**.
GRID HEATING must be **switched off** to access combustion modes.

SET THERMOSTAT MODE

1



Select **THERMOSTAT** mode from the menu.

2



Set **temperature** and confirm.

3



Set **duration** and confirm.

4



The mode is **active**, and the symbol is displayed.

The default settings are a **MAX** temperature rise of **1 °C** and a **MIN** temperature drop of **2 °C**. These values can be adjusted in *SETTINGS --> HEATER --> ADVANCED --> THERMOSTAT*.

SET WATER HEATING MODE

1



Select **WATER HEATING** mode from the menu.

2



Set **duration** and confirm.

3



The mode is **active**, and the symbol is displayed.

SET GRID HEATING MODE

autoterm
air and liquid heaters

1



Select **GRID HEATING** mode from the menu.

2



OR



Set the **operation mode:**
THERMOSTAT or **WATER HEATING.**

3

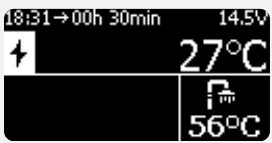


OR



Set the **temperature** and **duration** for the selected operation mode in the **same manner** as **for combustion** modes.

4



The mode is **active**, and the symbol is displayed.

SETTINGS



In the ***SETTINGS*** menu, general control **panel settings** and advanced **heater settings** can be adjusted.
To enter the menu, select ***SETTINGS*** from the main menu by pressing the knob, then choose the desired option.

Turn the knob to change the value, then press the knob to confirm.

TIME/DATE – set the current time and date.

DISPLAY

- **LANGUAGE** – select the control panel **display language**
- **UNITS** – choose metric **(24 h, °C)** or imperial **(12 h, °F)**
- **BRIGHTNESS** – adjust display brightness
- **SLEEP MODE** – set **inactivity time** for sleep mode and enable/disable **screensaver**

SETTINGS

PRE-HEATER

The **PRE-HEATER** settings section cannot be accessed while heater is operating.

- **INFO** – view system information:
  - **heater** serial number **(s/n)** and software version **(s/w)**
  - **control** panel serial number **(s/n)** and software version **(s/w)**
- **AUXILIARY** – **enable/disable** auxiliary mode. When **enabled**, the pre-heater **starts with the engine** and maintains coolant temperature **(75–95 °C)**
- **TEMPERATURE** – set **default** coolant **temperature** for heating mode **(20–95 °C)**
- **ADVANCED** – adjust advanced settings of the **BALTICA heater**

SETTINGS

PRE-HEATER → ADVANCED

- **THERMOSTAT** – configure ***THERMOSTAT*** mode:
  - Hysteresis – adjust temperature rise/drop **(MAX: 1–3 °C, MIN: 1–7 °C)**
- **START PUMP** – runs coolant pump for **system bleeding**; stops when exiting the function
- **SHUTDOWN VOLTAGE** – set battery protection **voltage and delay**
- **EXTERNAL START** – enable/disable **remote start** via vehicle **alarm system** (requires wiring)
- **COOLANT PUMP** – configure pump operation:
  - Wait Mode – when **enabled** the pump **continues** to operate after the set **coolant temperature is reached** and the **combustion process stops**
  - With Engine – when **enabled** pump starts **when engine starts**
- **GRID** – **enable/disable** GRID mode.

LED – enable/disable the LED **indicators**.

RESET – reset the control panel to **factory settings.**

ERROR & MAINTANACE



In case of an **error**, the LED indicators blink **red once every 5 seconds** and an error **message is displayed**, depending on the fault.
Full descriptions of fault codes can be found **in the heater manual.**

Maintenance and repair of the heater **must be carried out** only by personnel **trained and qualified by AUTOTERM.**

ERROR MESSAGES & FAULT CODES

- **Service!**
  – 3; 4; 5; 6; 9; 10; 13; 16; 24; 25; 26; 27; 28
- **Overvoltage!**
  – 12
- **Undervoltage!**
  – 15
- **Fuel pump!**
  – 17; 22
- **No connection!**
  – 20; 30
- **Overheating!**
  – 1
- **Heater Locked!**
  – 37
- **Check fuel system!**
  – 29; 78
- **Coolant pump/circuit!**
  – 14

REMINDER

To ensure **reliable operation**, run the heater at **maximum power for 30 minutes** at least once **every 30 days**, including during warm seasons. **Failure** to do so may lead to **premature** heater failure. After **30 days of inactivity**, the red **LED** indicator **blinks** once every 5 seconds and a **message** is displayed. If declined, the reminder will reappear until the heater is started in any heating mode.



autoterm



BALTICA CONTROL