EN

Operating instructions

UniControl

UniControl

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1 Introduction

So that you can enjoy the full comfort of using a Webasto heater, we recommend that you read the instruction manual carefully. Questions concerning assembly and operation of the device should be addressed to the seller or the installation workshop. They will provide you with reliable and competent advice.
You can also contact one of our offices. ou can find address data in the chapter “Technical support and customer service”.
Please keep this instruction manual.

Have a nice trip!

1.1 Purpose of the document

This instruction manual is a part of the device and it contains information for the user enabling safe use of the device.

All the functions of the control element are explained in the instruction manual. If you have any questions please consult the technical support and/or customer service (see chapter “Technical support and customer service”).

☞ The actual availability of these functions depends on each installed heater.

1.2 Using this document

- ▶ Before operating the heater, carefully read these operating instructions as well as the operating instructions for the heater.
- ▶ Hand this operating instruction on to the following owner or user of the unit.

1.3 Use of symbols and highlighting

Texts with the symbol 🕮 refer to separate documents which are enclosed or can be requested from Webasto.

Texts with the symbol ☞ refer to technical features.

Texts with the symbol ! or ⚠ refer to possible material damage, risk of accident or injury.

Highlight	Explanation
✓	Requirements for the following necessary action
▶	Necessary action

1.4 Warranty and liability

Webasto shall not assume liability for defects or damage that are the result that the installation and operating instructions as well as the instructions contained therein being disregarded.

This liability exclusion particularly applies for:

- improper use
- repairs not carried out by a Webasto service workshop
- use of non-genuine parts
- Conversion of the unit without permission from Webasto

2 Safety

2.1 Intended use

The built-in control element is used to control the heater.

2.2 General safety information

WARNING
Risk of explosion in environments with combustible vapours, flammable dust and hazardous goods (e.g., petrol stations, tank facilities, fuel store, coal bunkers, timber yard or grain warehouses)

- ▶ Do not switch on or operate the heater.

WARNING
Inhaling poisonous gases in the enclosed rooms

Intoxication and suffocation

- ▶ Never operate the heater (also not with programmed heating start) in closed rooms such as garages or workshops that do not have an exhaust extraction unit.

WARNING
Risk of fire from flammable materials or liquids in the hot air flow (Air heaters)

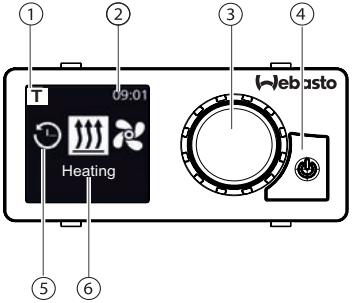
- ▶ Keep the hot air flow free.

WARNING
Risk of injury from the defective unit

- ▶ Do not operate a defective heater.
- ▶ Contact a Webasto service workshop.

3 Overview

3.1 Control element and menu structure



1 Activated time settings, ADR display*
2 Time
3 Control knob
4 Quick start button with status display
5 Symbol menu element
6 Menu name

The following menu elements are available in the main menu: timer, heating, ventilation* and settings.

*: Optional

3.2 Symbols

Symbol	Description	Symbol	Description
	Timer menu (time setting)		Ventilation menu
	Heating-Normal		Settings menu
	Heating level Normal		Heating level Eco*
	Heating level Boost*		Fan speed (level 1-4)
	Add timer		Activate timer

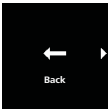
Symbol	Description	Symbol	Description
	Deactivate timer		Delete timer
	Delete all timers		Active timer
	Quick start		Weekday
	Time		Language
	Temperature unit		Day/Night
	System information		Error message
	Reset		Service required
	To the left		Attention
	Back		To the right
	12 hour format		Symbol for confirmation
	Operating voltage too low		ADR

* depending on the heater

3.3 Buttons and control

Button	Control and function
	Quick start button with status display
	Turn the control knob (turn/push button) for selection of the function.
	Press the control knob (turn/push button) for confirmation of the selected function.

3.3.1 Back-function



Exit the selected menu with the "Back" function.

The settings are saved and the higher-level menu level is displayed.

3.4 Status display

Status of the heater is indicated by means of the colour backlight of the quick start button.

Status	LED backlight	
Heating mode	GREEN	permanent
Ventilation mode	BLUE	permanent
Switched off heater - control element is activated	WHITE	permanent
Error - no heating mode, see chapter „11 Error message“ on page 26.	RED	flashing
Preprogrammed heating mode - control element in stand-by mode	GREEN	flashing
Preprogrammed ventilation mode - control element in stand-by mode	BLUE	flashing

If a user does not make any entry by means of the control element for 60 seconds and the heater is switched off then the control element will go into the stand-by mode (display and LED are switched off).

3.5 Passive display mode

If the heater is activated by another Webasto control element (e.g. Telestart or Thermocall), the control element wakes up from sleep mode and the operation mode selected by the other control element is shown on the display. Displayed information depends on the connected heater.

Display	Operating mode
	Heating ▶ The passive mode can be deactivated by pressing quick start button ⏻ . The heater is switched off.

Display	Operating mode
	Ventilation (ventilating mode must be supported by the installed heater) ▶ The passive mode can be deactivated by pressing quick start button ⏻ . The heater is switched off.
	Heating and ventilation ✓ There is a possibility of combined display of ventilation and heating symbols depending on the connected heater. ▶ The passive mode can be deactivated by pressing quick start button ⏻ . The heater is switched off.

3.6 Information display

The following information about the connected heater and control element is shown in the start display:

- Name of the control element
- Name of the connected hea
- Software version of the connected control element
- Hardware version of the connected control element

The view returns to the main menu after 1.5 seconds.

Example

3.7 Selecting the heating level

☞ The selection of the heating level is not supported by all heaters.

There are three heating levels:

Heating level		Heating mode
	Eco	Energy-savings mode
	Normal	Comfort heating
	Boost	Rapid heating

The heating levels differ in terms of energy consumption and time during which the set temperature is reached. Eco heating level needs the least energy. However, it takes more time to reach the set temperature.

4 Switching on the heater by means of quick start button

"Quick start" function enables heating or ventilation by simply pressing the button (⏻). The operating mode can be adjusted to your personal preferences.

- Instruction manual and description of the settings can be found in the chapter „9 Settings" on page 19.
- In delivery condition this function is preset with the standard values.
- If the ignition signal is on before switching on, the heating duration prolongs itself*. When the ignition signal disappears, there is a remaining operation time of 15 min. which can be reduced manually*.

* depending on the heater.

4.1 Quick start of air heater

Heating:

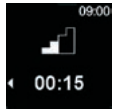
⏻

✓ Quick start button is programmed for heating.
▶ Press quick start button.
Heating starts functioning.
Menu element "Heating" is shown in the display as well as initially set heating temperature. Quick start button shows green light.

Ventilation:

⏻

✓ Quick start button is programmed for ventilation.
▶ Press quick start button.
Ventilation starts functioning. Fan speed and operating time are shown in the display. Quick start button shows blue light.

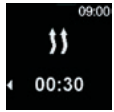


4.2 Quick start of water heater

Heating:

⏻

✓ Quick start button is programmed for heating.
▶ Press quick start button.
Heating starts functioning. Menu element "Heating" is shown in the display as well as initially set remaining operation time. Quick start button shows green light.



Ventilation:

⏻

✓ Quick start button is programmed for ventilation.
▶ Press quick start button.
Ventilation starts functioning. Main element "Ventilation" is shown in the display as well as initially set remaining operation time. Quick start button shows blue light.

5 Heating mode

5.1 Water heater

▶ Select “Heating” menu element in the main menu.

▶ Press the control knob.
Duration flickers in the display.

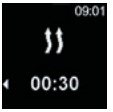
▶ Turn the control knob in order to choose the desired duration of an hour.

☞ By means of turning the control knob in clockwise direction one can select and activate maximum duration.

▶ Press the control knob in order to confirm selection.

☞ Setting the duration for minutes is done in the same way as the duration for hours.

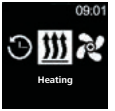
Heating mode has started. Menu element "Heating" is shown in the display as well as the initially set remaining operation time. Quick start button shows green light.



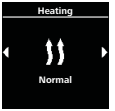
5.2 Air heater

☞ The selection of the temperature and/or the heating level is not supported by all heaters.

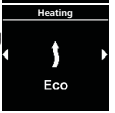
▶ Select “Heating” menu element in the main menu



▶ Press the control knob.
Heating level is shown in the display.



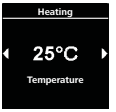
✓ For heaters with adjustable heating levels:
▶ Turn the control knob in order to choose the desired heating level.



All heaters:
▶ Press the control knob in order to confirm selection.

Heating temperature is shown in the display.

- ▶ Turn the control knob in order to choose the desired temperature.
- ▶ Press the control knob in order to confirm selection.



Heating starts functioning.
Menu element "Heating" is shown in the display as well as the selected heating temperature.
Quick start button shows green light.

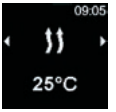
5.2.1 Adjusting temperature during heating mode

- ✓ The heater is in the heating mode.
- ▶ Turn the control knob and choose the desired temperature.

- ▶ Press the control knob within 5 seconds in order to confirm selection.

5.2.2 Adjusting the heating level during heating mode

- ✓ Heater with selectable heating levels
- ✓ The heater is in the heating mode.
- ▶ Press the control knob in order to go from temperature selection to heating level selection.



- ▶ Turn the control knob in order to choose the desired heating level.

- ▶ Press the control knob within 5 seconds in order to confirm selection.

5.3 Adjusting the remaining operation time

If a longer remaining operation time is required then a longer remaining operation time must be set again. Changes cannot be made for a minimum duration of 10 minutes. Increasing the operation time is possible only after switching off and then restarting the device.

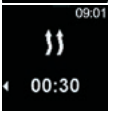
5.3.1 Remaining operation time of water heater

✓ The heater is in the heating mode.

▶ Turn the control knob in order to choose duration of a minute.

▶ Press the control knob in order to confirm selection.

Heating starts functioning. Menu element "Heating" is shown in the display as well as initially set remaining operation time. Quick start button shows green light.



5.3.2 Remaining operation time of air heater

✓ The heater is in the heating mode.

✓ Heater with selectable heating levels:

▶ Press the control knob in order to go from temperature selection to heating level selection.

▶ Press the control knob in order go from heating level to remaining operation time selection.

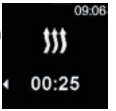
✓ Heater without selectable heating levels:

▶ Press the control knob in order to go from temperature selection to remaining operation time selection.

All heaters:

▶ Turn the control knob in order to adjust remaining operation time.

By means of turning the control knob in anticlockwise direction one can shorten remaining operation time.



▶ Press the control knob within 5 seconds in order to confirm selection.

6 Ventilation mode

The ventilation mode is not supported by all heaters.

Ventilation mode activates only the fan, heating mode is still on. First of all, it enables cooling of the interior by providing fresh air during air inlet from the outside. There are four fan speeds available.

They differ in the strength of air flow and in how fast the air exchange takes place.

Fan speed 1

Fan speed 3

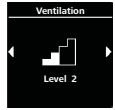
Fan speed 2

Fan speed 4

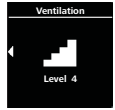
6.1 Setting ventilation through main menu

✓ "Ventilation" symbol has been selected in the main menu.

▶ Press the control knob.
The set fan speed is shown in the display

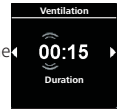


▶ Turn the control knob in order to choose the desired fan speed.
▶ Press the control knob in order to confirm selection.



Duration flickers in the display.

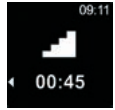
▶ Turn the control knob in order to choose the desired duration of an hour.
By means of turning the control knob in clockwise direction one can select and activate maximum duration.



▶ Press the control knob in order to confirm selection.

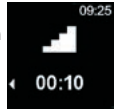
Setting the duration for minutes is done in the same way as the duration for hours.

Ventilation starts functioning.
Fan speed and selected duration are shown in the display.
Quick start button shows blue light.



6.2 Setting the fan speed during ventilation mode

✓ The heater is in the ventilating mode
▶ Press the control knob in order go from remaining operation time selection to fan speed selection.



▶ Turn the control knob in order to choose fan speed.

▶ Press the control knob within 5 seconds in order to confirm selection.

6.3 Setting the remaining operation time of fan during ventilation mode

✓ The heater is in the ventilating mode

▶ Turn the control knob in order to adjust the desired remaining operation time.

By means of turning the control knob in anticlockwise direction one can shorten remaining operation time.

If longer remaining operation time is desired then longer remaining operation time must be reset.

▶ Press the control knob within 5 seconds in order to confirm selection.

7 Switching off

✓ Heater in operation

▶ Press quick start button.

Backlight of quick start button changes its colour from blue (in ventilation mode) or green into white colour (in heating mode).

8 Programming the Timer menu (time setting)

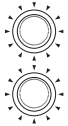
There is a possibility of programming the time settings 7 days in advance. The heater switches on automatically at the programmed time. There is a possibility of saving up to 3 time settings per day and altogether up to 21 time settings.
Only one time setting (timer) can be activated.

8.1 Timer: Setting the time setting

✓ Time and current day of week are set.

✓ The heater is switched off.

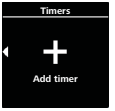
✓ "Timer" menu element has been selected in the main menu.

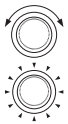


- ▶ Press the control knob.

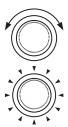
"Add timer" message (if no timer has been saved yet) appears in the display.

- ▶ Press the control knob in order to add new timer.

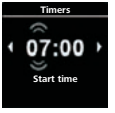




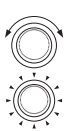
- ▶ Turn the control knob in order to choose "Day".
- ▶ Press the control knob in order to confirm selection.



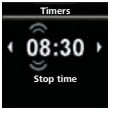
- ▶ Turn the control knob in order to choose the switch-on time of an hour.
- ▶ Press the control knob in order to confirm selection.



Setting the switch-on time for minutes is done in the same way as the switch-on time for hours.



- ▶ Turn the control knob in order to choose the switch-off time of an hour.
- ▶ Press the control knob in order to confirm selection.

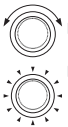


Setting the switch-off time for minutes is done in the same way as switch-off time for hours.

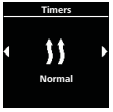
Depending on the required setting, either:

- ▶ set heating mode: see „8.2 Timer: Setting the heating mode:" on page 16.
- ▶ set ventilation mode, see „8.3 Timer: Setting the ventilation mode" on page 17.

8.2 Timer: Setting the heating mode:



- ✓ Only for air heaters with selectable heating level:
- ▶ Turn the control knob in order to choose the desired heating level.
- ▶ Press the control knob in order to confirm selection.



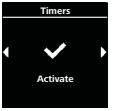
- ✓ Only for air heaters:
- ▶ Turn the control knob in order to choose the desired temperature.

Temperature range: 5 - 35 °C, 41 - 95 °F

All heaters:

▶ Press the control knob in order to confirm selection.
The timer is saved and shown in the display (temperature display only for air heaters).

▶ Press the control knob in order to activate the timer.
"Activate" message appears in the display.



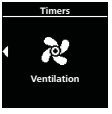
▶ Press the control knob in order to confirm activation.
Activated time setting is marked by white bars.

"T" symbol appears in the main menu.

Quick start button flashes green with timer together with heating is active.

8.3 Timer: Setting the ventilation mode

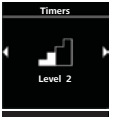
▶ Turn the control knob in order to choose the desired Ventilation mode.



▶ Press the control knob in order to confirm selection.

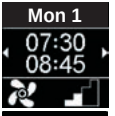
Only for air heaters:

▶ Turn the control knob in order to choose the desired fan speed.



All heaters:

▶ Press the control knob in order to confirm selection.
The programmed timer is saved and shown in the display.
(display of fan speed only for air heaters).



▶ Press the control knob in order to activate the programmed timer.
"Activate" message appears in the display.

▶ Press the control knob in order to confirm activation.
Activated time setting is marked by white bars.
"T" symbol appears in the main menu.
Quick start button flashes blue when timer together with ventilation is active.

8.4 Deactivating, editing or removing timers

✓ "Timer" symbol has been selected in the main menu.

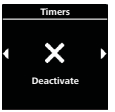
✓ Deactivation using the example of a ventilation timer. Proceed analogously for the heating timer.

✓ Proceed for "activating", "editing" or "deleting" analogously.

▶ Press the control knob.
The stored timers appear in the display. Timers are arranged in chronological order according to days/hours. Next active timer is displayed as the first one. (display of fan speed only for air heaters).

▶ Turn the control knob in order to choose the timer.

▶ Press the control knob in order to confirm selection.

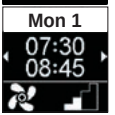


▶ Turn the control knob in order to choose operation ("activate", "deactivate", "edit", "delete").

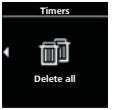
8.5 Delete all timers

✓ "Timer" symbol has been selected in the main menu.

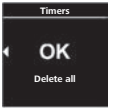
▶ Press the control knob.
The stored timers appear in the display. (display of fan speed only for air heaters)



▶ Turn the control knob clockwise until “Delete all” message is shown in the display.



▶ Press the control knob in order to confirm selection.
“OK” is shown in the display.



▶ Press the control knob in order to confirm selection.
All programmed timers have been removed. The main menu is shown in the display.

9 Settings

9.1 General

Choose the menu element "Settings"

▶ Press the control knob.

▶ Turn control knob, choose the desired menu element.

9.2 Setting the quick start button default value

Depending on your choice, the quick start button can switch on either ventilation made or heating mode. Quick start can be changed as required from heating mode to ventilation mode or the reverse.

9.2.1 Setting the quick start button for heating mode

✓ The menu element "Settings" has been chosen.
▶ Press the control knob in order to choose “Quick start” menu element.

The current operating mode is displayed.
(example, ventilation mode is set)

✓ Heater with selectable heating level:
▶ Turn the control knob in order to choose the heating level.
(example, with temperature display)

▶ Press the control knob in order to confirm selection.

✓ Only for air heaters:
▶ Turn the control knob in order to choose the desired temperature.
▶ Press the control knob in order to confirm selection.

All heaters:
Duration flickers in the display.

▶ Turn the control knob in order to choose the desired duration of an hour.

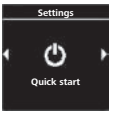
▶ Press the control knob in order to confirm selection.
Duration for minutes flashes.

Setting the duration for minutes is done in the same way as the duration for hours.

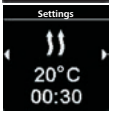
The quick start button is set to heating mode.

9.2.2 Setting the quick start button for ventilation mode

✓ The menu element "Settings" has been chosen.
▶ Press the control knob in order to choose “Quick start” menu element.

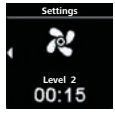


The current operating mode is displayed.
(example, heating mode is set)



▶ Turn the control knob in order to choose the desired “Ventilation” mode.

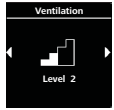
▶ Press the control knob in order to confirm selection.



✓ Only for air heaters

▶ Turn the control knob in order to choose the desired fan speed.

▶ Press the control knob in order to confirm selection.



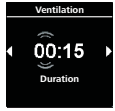
All heaters:

Duration flickers in the display.

▶ Turn the control knob in order to choose the desired duration of an hour.

▶ Press the control knob in order to confirm selection.

Duration for minutes flashes.



Setting the duration for minutes is done in the same way as the duration for hours.

The quick start button is set to ventilation mode.

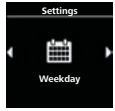
If ventilation mode is not possible, set the quick start button to heating mode.

9.3 Setting the day of the week

✓ The menu element "Settings" has been chosen.

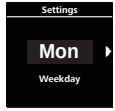
▶ Turn the control knob in order to choose the desired Day.

▶ Press the control knob in order to confirm selection.



▶ Turn the control knob in order to choose the desired ”Day”.

▶ Press the control knob in order to confirm selection.

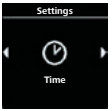


9.4 Setting the time

✓ The menu element "Settings" has been chosen.

▶ Turn the control knob in order to choose menu element “Time”.

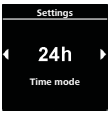
▶ Press the control knob in order to confirm selection.



▶ Turn the control knob in order to choose the desired time mode (12/24).

▶ Press the control knob in order to confirm selection.

Hour flickers in the display.



▶ Turn the control knob in order to choose an hour.

▶ Press the control knob in order to confirm selection.

Time (minutes) flashes.

Setting the time for minutes is done in the same way as the time for hours.

9.5 Language settings

✓ The menu element "Settings" has been chosen.

▶ Turn the control knob in order to choose menu element “Language”.

▶ Press the control knob in order to confirm selection.

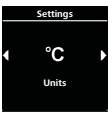
▶ Turn the control knob in order to choose the desired language (example "English")

▶ Press the control knob in order to confirm selection.

9.6 Setting the temperature unit

✓ The menu element "Settings" has been chosen.

▶ Turn the control knob in order to choose menu element “Temperature unit”.



▶ Press the control knob in order to choose the temperature unit.

This setting is taken over without confirmation.

9.7 Setting brightness

Depending on the installation, the screen brightness adapts using the vehicle signal.

✓ The menu element "Settings" has been chosen.

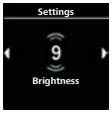
▶ Turn the control knob in order to choose menu element “Brightness”.

▶ Press the control knob in order to confirm selection.

▶ Turn the control knob in order to choose the desired value.

The adjustment value flashes

▶ Press the control knob in order to confirm selection.

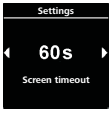


9.8 Setting screen timeout

✓ The menu element "Settings" has been chosen.

▶ Turn the control knob in order to choose menu element “Screen timeout”.

▶ Press the control knob in order to confirm selection.



▶ Turn the control knob in order to choose the desired time or “Auto” mode.

▶ Press the control knob in order to confirm selection.

After selecting „Auto” mode the screen does not switch off during active heating/ventilation. If no heater is active then while setting “Auto” the screen switches off after 10 seconds.

9.9 Setting day/night illumination

In the case of the screen illumination you can select between the day and night illumination. If „Off” option is selected then the general setting of brightness level is activated with no distinction between the day and night.

✓ The menu element "Settings" has been chosen.

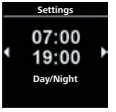
▶ Turn the control knob in order to choose menu element "Day/Night".

▶ Press the control knob in order to confirm selection.

"Off" option is preset.

▶ Turn the control knob in order to set the value for the start of the day, the end of the day, brightness during a day, brightness at night.

Preset time for a day is shown in the display.



▶ Press the control knob in order to confirm selection.

An hour for the start of the day flickers in the display.

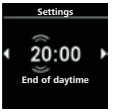
▶ Turn the control knob in order to choose the desired start of the day an hour.

▶ Press the control knob in order to confirm selection.

Time of a minute for the start of the day flickers in the display.

☞ Setting the minutes for start of day is done in the same way as the hours for start of day.

▶ Turn the control knob in order to choose the desired hour for end of day.



▶ Press the control knob in order to confirm selection.

Time of a minute for the end of the day flickers in the display.

☞ Setting the minutes for end of day is done in the same way as the hours for end of day.

"Day" brightness level appears in the display.

▶ Turn the control knob in order to choose the desired brightness level "day".

▶ Press the control knob in order to confirm selection.

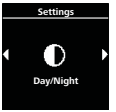
"Night" brightness level appears in the display.

▶ Turn the control knob in order to choose the desired brightness level "night".

▶ Press the control knob in order to confirm selection.

"Day/night" brightness level appears in the display.

The selected values have been saved.

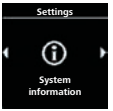


9.10 Displaying the system information

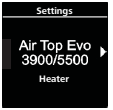
There are data in the system information regarding software status and control element status and the name of the connected heater.

✓ The menu element "Settings" has been chosen.

▶ Turn the control knob in order to choose menu element “System information”.



▶ Press the control knob in order to confirm selection.
The heater name is shown in the display.



▶ Turn the control knob in order to switch between the names of the heater and information regarding control element (the name of the control element, status of software and equipment).

9.11 Displaying stored error information

If heaters and other connected components show malfunctioning then such error information codes) is saved and displayed here. Current error information is additionally marked with “!” symbol.

When an error occurs, error information must be confirmed by pressing the control knob. The main menu is displayed once again only after confirmation.

✓ The menu element "Settings" has been chosen.

▶ Turn the control knob in order to choose menu element “Error message”.

▶ Press the control knob in order to confirm selection.
Error message(s) is (are) shown in the display. If there is no error message then “OK” appears in the display. If there are more error messages then all the messages can be displayed by turning the control knob.

▶ Press the control knob in order to return to menu element.

9.12 Performing reset

In a reset, all settings are restored to factory settings (standard settings are configured by a service technician) except for weekday, time and language.

✓ The menu element "Settings" has been chosen.

▶ Turn the control knob in order to choose menu element "Reset".

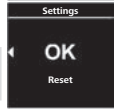
▶ Press the control knob in order to confirm selection.

"OK" is shown in the display.

▶ Press the control knob in order to confirm selection.

Then the restart is performed.

Personal settings are deleted. This procedure is irreversible.



10 Cleaning

In order to clean the control element, you should use only a soft lint-free cloth. Moisture must not enter the housing. You cannot use window pane cleaning agents, household cleaners, sprays, solvents, cleaning agents containing alcohol and scouring agents for cleaning.

11 Error message

Error messages regarding the heater will be displayed with the "F" or "H" marking and can be found in the appropriate description of the heater. Error messages regarding the control element are displayed by means of the "T" symbol.

✓ Error message is shown in the display.

▶ Press the control knob in order to confirm error message.

- Error message is stored in error memory.
- If not confirmed, the error message is displayed again (e.g. on restart or when waking up from sleep mode).

11.1 Error codes

▶ If error message appears in the display, please contact the technical support/ customer service.

ATTENTION

Inspections and repairs on heaters must only be carried out by trained personnel.

11.2 Examples of error messages for control elements

Code	Description
T84	Undervoltage (supply voltage is low) ▶ Charge the battery and check car electrical installation.
Te4	Defective LED status ▶ Contact technical support/customer service.
Teb	Time error ▶ In case of voltage interruption amounting to more than 8 minutes: Enter date/hour again. ▶ In case an error appears without voltage interruption: Contact technical support/customer service.
T12	W-bus communication failure. Incorrect heater selected. ▶ Follow the procedure in the Installation Instructions. ▶ Contact technical support/customer service (if necessary).

12 Disposal

The control element must not be disposed of in domestic waste.

▶ You are requested to obey the local regulations concerning disposal of the electronic products.

13 Service and customer services

Do you have any technical queries or a problem with your unit?
National phone numbers of our representatives are provided on www.webasto.com.

14 Technical data

Operating voltage range: 12 V to 24 V
Permissible ambient temperature:

- Operation: –40 °C to +75 °C
- Storage: –40 °C to +90 °C

☞ At temperatures below –20 °C protective function of control element display is active. Display and background illumination are switched off, heating status is indicated by status of LED diode. The heater can be tuned on and off by quick start button without any limits.

In multilingual versions the German language is binding. If a language is not available, please contact the Webasto Service Centre for this purpose (see the brochure with the service phone numbers of the respective subsidiaries).

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