

Telestart T91



D	Deutsch	1	Svenska	113	S
GB	English	17	Norsk	129	N
F	Français	33	Suomi	145	FIN
I	Italiano	49	Polski	161	PL
E	Español	65	Česky	177	CZ
NL	Nederlands	81	Magyar	193	H
DK	Dansk	97	Русский	209	RUS

Operating and Maintenance Instructions for Telestart T91

General information

Dear Webasto customer!

We are delighted that you have selected this Webasto product.

We assume that the workshop / service partner that carried out the installation explained to you the operation and principle of functioning of your Telestart T91 to your complete satisfaction.

With these operating and maintenance instructions we would like to provide you with an overview of the use of the Telestart T91.

The Telestart T91 heater control complies with the homologation approval in accordance with the directive 72/245/EEC (EMC).



The heater **must not** be operated:

GB



Danger of fire, explosion and suffocation

- In filling stations and tank farms.
- At locations at which highly flammable gases or dusts can form, and at locations at which highly flammable liquids or solid materials are stored (e.g. near fuel, coal and wood dust, grain warehouses, dry grass and leaves, cardboard, paper, etc.).
- In enclosed rooms (e.g. garages), not even via the timer or Telestart.

Care and handling

Note the following points to avoid damage to the Telestart T91:

- Do not expose to heat above 70 °C (e.g. direct sunlight).
- Operating temperature between 0 °C and +50 °C.
- Only store in a dry place where there is little dust.
- Do not immerse in water.

Use

With the Webasto Telearstart T91, the Webasto heaters of the Thermo Top series or the vehicle fan can be switched on and off wirelessly from a great distance.

For heaters which are connected to the Telearstart via a W-bus and have an activated ventilation function, a mode change must be carried out on the transmitter to switch on the parking ventilation (ventilation of the vehicle interior) (see "Setting mode")

For Telearstart receivers with an analogue connection to the heater, the parking ventilation function (ventilation of the vehicle interior) can only be ensured by also installing a summer/winter switch (option). A mode change on the transmitter is not required for this purpose, as the "parking heating" or "parking ventilation" function is determined by the switch position of the summer/winter switch.

After being switched on, the parking heater automatically switches itself off again after the selected switch-on duration expires.

Restrictions of the range of functions can occur when factory-installed heaters are retrofitted. Please have these explained by your installation partner.

Optimum signal transmission is achieved out in the open or from a position higher than the vehicle. In this case, the parking heater can be operated at a distance of approx. 1,000 m from the vehicle.

When operating the transmitter, please hold it vertically pointing upward and do not cover the upper side (see illustration).

If you determine from the lack of feedback that the operating signal has not reached the vehicle, then you must change your position by a few metres. Reception quality is impaired accordingly in heavily built-up areas.



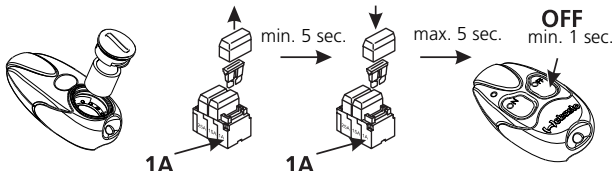
Teaching in Telestart transmitter for Thermo Top E/C/P/V

- 1 Insert the battery in the battery compartment of the transmitter.
- 2 Remove the 1 A fuse (black) from the heater's fuse holder (voltage interruption).
- 3 Wait at least 5 seconds.
- 4 Replace fuse in heater's fuse holder and press the **OFF**-button on the transmitter for at least 1 second within 5 seconds.
- 5 Teaching is completed.

A second, third or fourth hand-held transmitter can be programmed in the same manner.

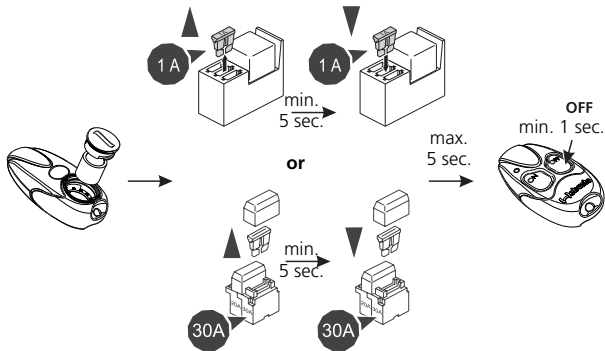
NOTE:

The learning process can be repeated as often as necessary. The "oldest" transmitter will be deleted each time.



Teaching in Telestart transmitter Thermo Top with W-Bus control

As described above for the Thermo Top E/C/PV, however remove either 1 A fuse (black, vehicle interior) or 30 A fuse (engine compartment) (voltage interruption).



Checking mode

Simultaneously depress and hold down the **ON-** and **OFF-** buttons.

LED illuminates:

red = Heating mode

green = Ventilation mode*

LED extinguishes:

- when the buttons are released, or
- after 3 seconds

* *Please observe the information under "Use".*

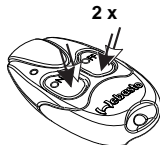


Setting mode

Depress the **ON-** and **OFF** buttons simultaneously twice within one second.

Upon the second actuation, the LED will change its colour and illuminate until the buttons are released (illuminates for max. 3 seconds).

The new mode is stored when the button is released.



Feedback from transmitter upon turning On/Off

The LED on the transmitter illuminates for 2 seconds:

red = Heating mode

green = Ventilation mode*

The signal has been received and the heater / vehicle fan switched on or off.

The LED on the transmitter flashes for 2 seconds.

Error during signal transmission.
Change your location and repeat transmission.

Switching on heater or ventilation*

Hold the transmitter with the aerial upright and press the **ON** button until the LED lights up (approx. 1 second).

The Telearstart receiver in the vehicle transmits a confirmation of the reception (see overview above: "Feedback").

Then the forwarding of the signal to the heater is confirmed with brief flashing signals (every 2 seconds).

The operation indicator extinguishes:

- After the preset operating time has elapsed
- After switching off with Telearstart.



* Please observe the information under "Use".

NOTE:

If no special instructions on adjusting the vehicle heater during parking heating operation are available, then the vehicle heater must be set to "warm" before switching on the heater.

In the heating and ventilation modes, the vehicle fan switch is to be turned to position 1 in the case of 3-speed blower fans, and to position 2 in the case of 4-speed blowers.

In the case of infinitely variable fans adjust to at least 1/3 of the fan's capacity.

Switching off heater or ventilation

Hold the transmitter with the aerial upright and press the **OFF** button until the LED lights up (approx. 1 second). The Telestart in the vehicle will send a feedback signal.



Switching off using pushbutton switch

If the heater was activated by means of Telestart, the pushbutton switch must be pressed once for deactivation.

Switching On/Off using pushbutton switch

The parking heating or parking ventilation mode is indicated by a light in the pushbutton.

NOTE:

When the pushbutton switch is used for activating the heater, the operating mode (parking heating or parking ventilation) and the operating duration most recently used with Telearstart T91 will be selected.

Switching on using a digital timer (Immediate Heat Button)

Operation is indicated on the digital timer. The display lighting lights up.

NOTE:

When switching on with the digital timer (immediate heat button), the parking heating mode is always selected. The switch-on duration is specified by the digital timer.

Switching on with Telestart T91 with digital timer installed

Operation is indicated on the digital timer. The display lighting lights up.

NOTE:

This display is only available when the Telestart receiver is connected to the heater via the W bus.

Switching off using a digital timer

If the heater was activated using Telestart, the instant heat button must be pressed **twice** to deactivate the heater.

If the Telestart receiver and the digital timer are connected to the heater via the W bus, a **single** press of the button is required.

Switching on with Telestart T91 with Summer/Winter switch installed (option)

The "parking ventilation" or "parking heating" function is determined by the switch position of the summer/winter switch. Please also observe the point "Use" for this purpose.

Checking and setting operating time

GB

The operating time of the heater or the vehicle's fan can be preset on the transmitter in increments of 10 minutes. The operating time is factory-set at 30 minutes.

NOTE:

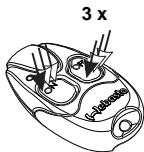
We recommend setting the heating time according to the drive time.

Example: The vehicle is used for travelling to work and back.

With a driving time of approx. 30 minutes (one way), we recommend setting an operating time of 30 minutes.

Checking operating time

Simultaneously briefly press the **ON** and **OFF** button three times consecutively.



GB

The LED flashes in accordance with the preset operating time.

No. of coded flashing signals	1	2	3	4	5	6
Operating time	10 min.	20 min.	30 min.	40 min.	50 min.	60 min.
No. of coded flashing signals	7	8	9	10	11	12
Operating time	70 min.	80 min.	90 min.	100 min.	110 min.	120 min.

NOTE:

The first coded flashing signal that is emitted immediately upon the third actuation of both buttons has to be included into the count.

Setting operating time

Press the **OFF** button to call up the next operating time.

To store the setting:

- do not actuate any button for 10 seconds, or
- actuate the **ON** button.



Returning to factory setting

Simultaneously press the **ON** and **OFF** button for at least 10 seconds.

Factory setting:

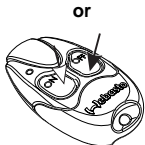
Heating mode, 30 minutes



Checking battery

Press the **ON** or **OFF** button.

Battery	LED	Action
almost spent	lights up for 2 seconds in orange	replace battery as soon as possible or warm up transmitter.
discharged	flashes orange very quickly for 5 seconds	Replace battery.
drained	no display	Replace battery.
full	lights up for 2 seconds in green or red	Battery full Attention: With a corresponding range, the heater or ventilation could be activated or deactivated.



Replacing battery

Also see page 21, "Teaching in Telestart transmitter for Thermo Top E/C/P/V" and page 22, "Teaching in Telestart transmitter Thermo Top with W-Bus control"

Note

Batteries from our products should be returned to the place of purchase or its immediate vicinity following use. Return is free of charge. As an end user you are legally obligated to return used batteries.

Caution!

Danger of explosion if the battery is replaced improperly! Dispose of used batteries as described in the instructions! This product is subject to the European Directives 2002/96 EC and EN 50419. Disposal instructions are included with the sample or the operating instructions.



Bei mehrsprachiger Ausführung ist Deutsch verbindlich.

In multilingual versions the German language is binding.

Dans le cas d'une version rédigée en plusieurs langues, l'allemand est alors la langue qui fait foi.

Nel caso di una versione plurilingue il tedesco è vincolante.

Este manual esta traducido en varios idiomas, le informamos que sólo la versión en alemán será vinculante.

Bij een meertalige versie is de Duitse versie bindend.

I tilfælde af en flersproget udgave er den tyske version gældende.

Om det förekommer en flerspråkig version är den tyska bindande.

Hvis det finnes en flerspråklig versjon, er det den tyske som har forrang.

Useampikielisten versioiden yhteydessä saksankielinen on sitova.

W przypadku wersji kilkujęzycznej wiążący jest tekst w języku niemieckim.

V případě vícejazyčné verze je závazná němčina.

Többynnyelvű változat esetén a német nyelvűt is kötelezően tartalmaznia kell.

Для изданий на нескольких языках обязательным является немецкий вариант.

Webasto AG
Postfach 80
D-82131 Stockdorf
Germany

National:

Hotline: 01805 707 400
(€ 0,14 Cent aus dem deutschen Festnetz)

Hotmail: kundencenter@webasto.de
www.webasto.de

International:

www.webasto.com