

EasyStart R

Operating instructions.



**Radio remote control
with heating function feedback
for parking heaters.**



Eberspächer

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Please read first

Before you start to set and use the radio remote control, please ensure you carefully read through these operating instructions.

These operating instructions contain important information, which you require to set and use the radio remote control. Please store these operating instructions in a safe place so you can refer to it at a later date.

Safety information



Danger!

- Only the battery cover of the mobile unit may be opened.
- The battery and battery cover **must be kept out of reach of children** – swallowed small parts.
- Before washing clothing, remove the mobile unit from pocket.
- Protect the mobile unit from adverse effects (impacts, extreme temperatures, moisture, rain, liquids).
- The mobile unit and heater must be switched off when refuelling.
- Dispose of the battery and mobile part according to the statutory regulations.
- Only use the recommended battery and original spare parts.
- All information and notes, in particular the safety information in the heater's technical description must be observed at all times!

Statutory regulations



Return / disposal of electrical and electronic equipment in accordance with Art 4 Paragraph 1 Alt Fz-VO (End-of-Life Vehicles Regulations)

As a part of the vehicle, when the vehicle is handed into a recognised waste collection body, a recognised returns body or a recognised dismantling firm, the radio remote control must be placed in the vehicle for return in accordance with Art 4 Paragraph 1 Alt Fz-VO.

Purpose

The bidirectional EasyStart R radio remote control (mobile unit in conjunction with stationary unit) is used for remote controlled switching on / off, selection of the operating mode and for changing the operating time of the heater installed in the vehicle.

Please note!

Improper use and use outside the specified area of use cancels all liability and warranty.

Introduction

General information

The mobile unit of the radio remote control has a simple control structure.

All functions can be set, and if necessary changed, with 2 keys only.

The mobile unit's switching pulses have a range of up to 1000 metres in open outdoor spaces (direct visual contact).

External interference, local conditions and dense building development in the surrounding area reduce the range.



The mobile unit should always be pointed towards the vehicle when activated or for data transmission. Depending on the application

and ambient influences, however, the LED display can indicate different flashing signals. The remedy for this is described on pages 13 to 15.

Operation of the mobile unit is described in detail from page 7.



Mobile unit of the radio remote control

The mobile unit of the radio remote control can be used to make the necessary adjustments for operation of the heater and various units can be switched on and off.

Please note!

The type of LED displays possible differs depending on the installed heater and feature options.



Overview

LED displays

Data transmission



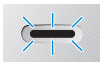
LED display lights up green.

Heater off



LED display flickers red.

Heater on



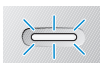
LED display flashes red.

Ventilation off



LED display flickers green.

Ventilation on



LED display flashes green.

Please note!


- Please refer to the general notes on “ventilate” mode given on page 11 for information about the LED display “ventilate off” and “ventilate on”.
- Possible LED displays such as fast, alternating red-green flashing, slow, alternating red-green flashing, fast red flashing or a red display are described in the “What to do if ...?” chapter from page 13.




Basic operation and adjustment rules

Activate mobile unit


Before each operation or setting, a connection must be established between the mobile unit and the stationary unit.

To do this, press  until the LED display is permanently lit green, then release the key and continue with the operation or adjustment (see also page 8).


Switch off mobile unit / protect mobile unit against involuntary actuation

If  is pressed for a long time the LED display disappears, i.e. the mobile unit is switched off and is therefore also protected against involuntary actuation.

Confirm input

The settings and changes must always be confirmed with , otherwise they are lost.


Terminate / quit settings

The setting can be cancelled or terminated with .

LED display disappears

After confirming a setting or change the LED display goes out.

If no further settings or confirmations are made within 10 seconds the mobile unit switches to its normal condition.

For renewed input you must press  again.

Please note!

If data transmission was not possible, the LED display disappears after 4 seconds.

Permanently change operating time

An operating time of 20, 30, 40 or 60 minutes can be set (factory setting is 30 minutes).

See page 10 for setting/adjustment.



Display during data transmission

During data transmission the LED display is permanently lit green.

Operation and Adjustment

Activate mobile unit / query heater's operating state

Use the mobile unit to establish the connection with the stationary unit.

 press until the LED display lights up green. Then release the  key. If a link has been established between the mobile unit and stationary unit,

- the LED display flickers red (heater off)
or
- the LED display flashes red (heater on).

LED display



LED: green




LED: flickers red



LED: flashes red

The radio remote control is activated.

Please note!

- If the  key is not released when the LED is lit green the mobile unit switches itself off.
- Possible LED displays such as fast alternating red-green flashes, slow alternating red-green flashing, fast red flashing or a red display are described in the chapter "What to do if ...?" from page 13.

Function pushbutton

The following activities can be executed with the button installed in the vehicle:


- Start heater mode, heating duration 30 minutes (LED on ON button)
- Switch off heater mode (LED on OFF button)



Switch on heater

Activate mobile unit with  (see also page 8).

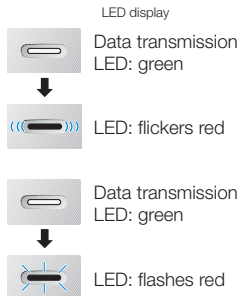
LED display "heater off".

Confirm with .

Heater is switched on.

The following action is possible:

Change operating time (see page 10).



Switch off heater

Activate mobile unit with  (see also page 8).

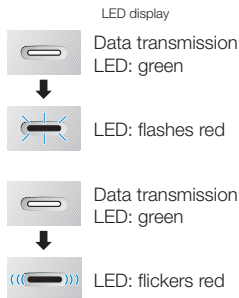
LED display "heater on".

Confirm with .

Heater is switched off.


The following action is possible:

Change operating time (see page 10).



Operation and Adjustment

Permanently change operating time

Activate mobile unit with  (see page 8).

Briefly press  and  simultaneously.

“Permanently change operating time” function is activated.

Select operating time by pressing  once or several times

Selection and display

20 minutes operating time

30 minutes operating time

40 minutes operating time

60 minutes operating time

Confirm selected operating time with .

Selected operating time is saved.

Please note!

After a brief pause the flashing signals are repeated five times in total by when the mobile unit switches to its normal condition.

LED display



Data transmission
LED: green



LED: flickers red



LED: flashes red



LED: flashes
red twice



LED: flashes
red 3 times



LED: flashes
red 4 times



LED: flashes
red 6 times



Data transmission
LED: green



LED: flashes twice,
long green flash



General notes on “ventilate” mode

„Ventilate“ mode is only possible in the following heater models and subject to certain requirements:

- The additional “heat/ ventilate” switch (Order No.: 22 1000 31 89 00) must be installed in *HYDRONIC* water heaters (B / D 4 W S, B / D 5 W S, B / D 4 W SC and B / D 5 W SC).
- The mini controller (Order No. 22 1000 32 0700) must be installed in the *AIRTRONIC* / *AIRTRONIC* M and *AIRTRONIC* L air heaters.

Exception – in air heaters with two diagnosis cables and the EasyStart R with EasyStart T combination, “ventilate” mode can be activated without the mini controller (see page 12).

Please note!

- In all other heaters “ventilate” mode is **not** available.
- “Ventilate” mode is not provided for upgraded independent heaters.

Switching between „ventilate“ and „heat“ mode

If the operating mode is to be changed during “ventilate” or “heat” mode, the heater must be switched off using the mobile unit of the radio remote control (see page 9).

- If the heater is switched off in “heat” mode the heater runs on. Once this after-run has ended use the “heat / ventilate” switch or the “mini controller” to switch to “ventilate” mode. Then use the mobile unit of the radio remote control to switch the heater back on.

- After the heater has been switched off in “ventilate” mode, you can immediately switch to “heat” mode using the “heat / ventilate” switch or the “mini controller”. Then use the mobile unit of the radio remote control to switch the heater back on.

Please note!

- “Ventilate” or “heat” mode **must be selected before switching on** the heater.
- In the “ventilate” switch setting of *HYDRONIC* water heaters the vehicle blower is directly controlled by bypassing heat mode and in *AIRTRONIC* air heaters the heater’s blower is bypassed in the same way.
- If you have any further questions regarding “ventilate” mode please contact your installation workshop or call the service phone number (see page 15).

Switch of “ventilate” or “heat” mode

Switch off the heater using the mobile unit of the radio remote control (see page 9).

Operation and Adjustment


Switch on ventilate (only possible in air heaters with two diagnosis cables and the combination of EasyStart R with EasyStart T.

Activate mobile unit with  (see also page 8).

Select LED display „ventilate off“ with  and confirm with .


Ventilate is switched on.

The following action is possible:

-  can be used to switched to “heat on” (see page 9 for further procedures).
- Change operating time (see page 10).


Switch off ventilate

Activate mobile unit with  (see also page 8).

Confirm LED display „ventilate on“ with .

Ventilate is switched off.

The following action is possible:

-  can be used to switched to “heat on” (see page 9 for further procedures).
- Change operating time (see page 10).

LED-display



Data transmission
LED: green



LED: flickers green



Data transmission
LED: green



LED: flashes green



LED: flickers red

LED-display



Data transmission
LED: green



LED: flashes green



LED: flickers green



LED: flickers red

Charged status of the mobile unit's battery

If the LED display of the mobile unit indicates the battery is too weak with a red display, purchase a standard **CR 2430** type round cell battery made by Varta, Sony or Renata, as recommended by JE-Eberspächer.

LED display



LED: Display lights up red

Replace battery

- Use a coin to turn the bayonet fastening of the battery cover in the direction of the arrow.
- Remove the battery cover.
- Check the cover seal for damage.
- Remove dead battery.
- Insert new battery. The battery has been correctly inserted if the plus pole symbol and the type designation of the battery can be read.



- Put on the battery cover. The drip-shaped marking must point to the web between the recesses.
- Use a coin to turn the bayonet fastening of the battery cover in a clockwise direction until the slit reaches the vertical position.
- Activate mobile unit (see page 8).



What to do if ...?

LED displays

Fast red flashing

Description	Remedy
A fault occurs in the heater during operation (e.g. fuel shortage or interruption in the diagnostics cable).	Refer to the heater's installation instructions for troubleshooting advice.

What to do if ...?

LED displays

Fast red-green flashing

Description	
Communication between the mobile unit and stationary unit is not possible.	
Possible causes	Remedy
Distance between mobile unit and vehicle too large.	Reduce distance.
Dense buildings between mobile unit and vehicle?	Change the position relative to the vehicle e.g. hold mobile unit higher or move it to the side. Reduce distance from vehicle.
Several Easy Start radio remote controls are operated simultaneously.	Reactivate mobile unit after a pause.
Mobile unit has not been taught.	Teach mobile unit as described in the installation instruction.

Please note!

The unit cannot be used during the "fast red-green flashing" signal. A running heater can only be switched off using the button in the vehicle.

Slow red-green flashing

Description	Remedy
Stationary unit is in learn mode.	Teach mobile unit as described in the installation instruction.

LED lights up red after activation

Description	Remedy
The mobile unit's battery is too weak. Data transmission is not possible.	Replace battery (see page 13).



What to do if ...?

LED displays

The mobile unit cannot be activated

Possible causes	Remedy
Battery dead.	Replace battery (see page 13).
No battery inserted.	Insert battery (see page 13).
Battery inserted wrong way around.	Insert battery correctly (see page 13).

LED in pushbutton flashes

Description	Remedy
Stationary unit is in learn mode.	The display switches itself off after 30 seconds or teach the mobile unit as described in the installation instruction.

Please note!

If you were unable to correct the error or fault, please contact an authorised JE workshop or call the service phone number given in the following.

Service

Hotline

Call the following service phone number if you have any technical questions or a problem with the radio remote control or the heater:

Telephone hotline
00 49 (0)800 / 12 34 300

Fax hotline
00 49 (0)1805 / 26 26 24

Outside Germany, please contact the respective national Eberspächer representative.

www.eberspaecher.com

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