Notes

Use this product only as specified in this manual. The manufacturer is not liable for damages caused by improper use or misuse.

Warning, do not use this product if a malfunction can result in danger for you and others and/or property damage.

This product has been developed and manufactured according to the current state of the art and recognized safety standards. It cannot be sure that the GSMS-PH3 GSM-starter works as intended under all circumstances, at all times and under all conditions.

Due to the nature of how SMS and phone calls behaves please allow up to 30 seconds between every sent SMS and/or phone call made to the unit to avoid flooding the network.

We recommend using a new fresh SIM-card in the unit to avoid unnecessary unauthorized users from occupying the unit.

When using a new fresh SIM-card it is a good idea to wait approximately 5 minutes before trying to communicate with the unit. This is because often the network provider will send SMS information messages and settings the first time a SIM-card is put in use.

When voltage (V) is stated in this manual as “12/24V” you should refer to your vehicles operating voltage (battery voltage) ex. most cars have 12V while trucks and heavy duty vehicles use 24V.

Webasto 1533 controller

Locate and remove the 1533 controller to get access to the back of the controller. Refer to the illustration below for compatibility.

Pin 1 (W-bus) wire not present
COMPATIBLE

Pin 1 (W-bus) wire present
INCOMPATIBLE

Technical specifications

Operating voltage	12 / 24V
Dimensions:	90 x 40 x 122 mm
IP-rating:	IP65
Timer range:	10 - 60 minutes
Timer accuracy:	Max 3% off
Operating temperature:	–40 °C to +80 °C
Power consumption:	Typical < 0,2W
GSM-bands:	850/900/1800/1900 MHz
Memory space:	10 authorized numbers

Troubleshooting

I have forgotten my 4 digit password

If you have lost or forgot the 4 digit password used to control the GSMS-PH3 via SMS you will need to have physical access to the unit to do a hardware reset as described below. Default password is “0000”.

First turn off the power to the unit and then turn on the power again. About 3 seconds after the power has been turned on, connect the BLUE wire (alarm input) to +12/24V for about 20 seconds. Unit is now reset.

Wire colors do not match my setup

1. In some cases the wire colors may vary on different preheater installations. Refer to your controller manual to find the correct wire colors.

2. Measure the voltage at each wire when the controller is plugged into the main wiring loom. Easiest is to measure the voltage at the plug between the controller and main wiring loom. First find the wire that is +12/24V and connect it to the RED wire on the connection cable. Then find out which wire is -12/24V (ground) and connect it to the BLACK wire on the connection cable. Last check which wire has 0V when the preheater is off at the controller and +12/24V when you turn on the preheater at the controller. This last wire should be connected to the YELLOW wire on the connection cable.

When I call the GSMS-PH3, the red LED lights up but the preheater do not start

1. Disconnect the GSMS-PH3 from the connection cable and try turning on the preheater at the controller. If the preheater do not start refer to your preheater manual for troubleshooting.

2. Measure voltage between ground and the connection cables YELLOW wire when the “ON / OFF LED” indicates on, if it reads +12/24V the YELLOW wire is connected wrong. Refer to troubleshooting “Wire colors do not match my setup.” If the YELLOW wire reads 0V, disconnect the connection cable from the wiring loom, but still plugged into the GSMS-PH3. Connect +12/24V to the RED wire of the connection cable and -12/24V (ground) to the BLACK wire and check the voltage at the YELLOW wire again, if it still reads 0V when the “ON / OFF LED” indicates on, the GSMS-PH3 unit is most likely broken. If it reads +12/24V the connection cable was connected wrong.

The GSMS-PH3 does not connect to the GSM network

1. Please make sure that the SIM-card does not have a PIN-lock.

2. Confirm that the SIM-card have support for the GSM/2G network.

3. Bad reception, try moving the GSMS-PH3 to another location known for good reception.

4. Make sure that your cars battery is fully charged.

Nothing happens when the GSMS-PH3 is plugged into the connection cable

1. Make sure the connection cable is installed to the correct wires in installation step 3.

2. Check if the controller is working, if not check the controller fuse. Refer to controller manual.

3. Disconnect the GSMS-PH3 from the connection cable and measure voltage between the connection cables plugs RED wire and BLACK wire, it should read 12/24V. If not, reconnect the RED (+12/24V) and BLACK (-12/24V, ground) wires on the connection cable to another 12/24V power source (battery).

After changing SIM-card in the GSMS-PH3, it stops responding

1. Every time you take in and out a SIM-card you need to restart the unit by first turning off the power and then turning it back on again.

GSM-START

LINKING MAN AND MACHINE

GSMS-PH3

Manual

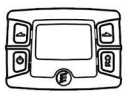
Rev. 1.2

Thank you for purchasing the GSMS-PH3 GSM remote control for your Eberspächer and Webasto preheater. It lets you control your preheater at a distance using a mobile/landline phone. This manual shows how to install and operate this product easily and correctly. Make sure to read this manual carefully before using this product. Keep this manual handy for future reference until you are familiar with all its features.

This product is designed to work in conjunction with the Eberspächer and Webasto controllers shown below and with preheaters that require an analog switch-on-signal (+12/24V).

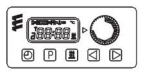
Eberspächer compatible controllers


801 modulator


EasyStart T


Mini controller


701 modulator


Module timer


Mini Timer

Webasto compatible controllers


1529


1530


1531

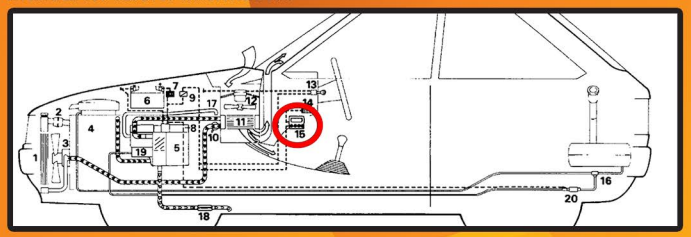

1533*

*This controller can also communicate with preheaters that require a digital (W-bus) switch-on-signal, please make sure that your preheater and controller communicates with an analog switch-on-signal before installing this product with this controller. See instructions on page 5.

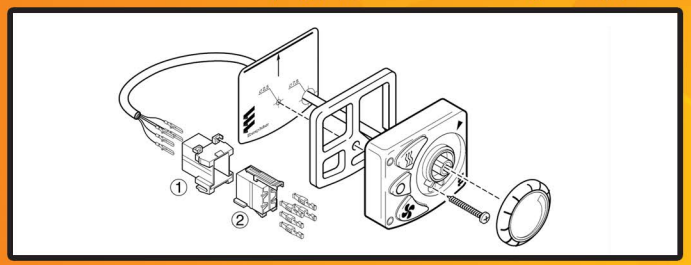
CE

Installation

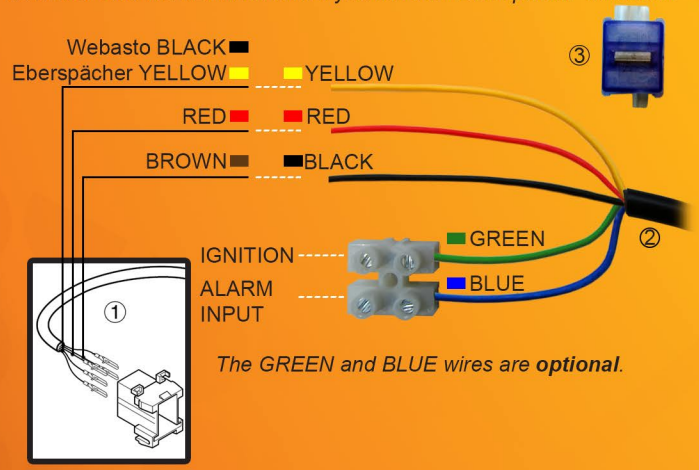
1. Locate your Eberspächer or Webasto controller, usually inside the vehicle cabin. Find the plug coming from the controller that connects to the main wiring loom; usually you need to remove some panels inside the cabin to get to the back of the controller. Refer to your controller user manual for further information.



2. Disconnect the controller plug (1) from the main wiring loom (2).



3. Connect the supplied connection cable (2) to the wires (1) coming FROM the controller with the supplied 3M Scotchloks (3) as the illustration shows below. *Note that different controllers have different number of wires; yours may vary from the illustrations five wires. Only the colors of the wires matter. Also note that the YELLOW wire on the connection cable should be connected to the BLACK wire if you have a Webasto controller and the YELLOW wire if you have an Eberspächer controller.*



*The GREEN and BLUE wires are **optional**.*

The GREEN wire can be connected to a source that feeds +12/24V when the ignition key is turned on. This is used to turn off the preheater when you start the vehicle. This is useful if you need the vehicle earlier than the time you have set the preheater to run.

The BLUE wire can be connected to for example an alarm and when this wire is feed +12/24V the unit will send a SMS to the phone number stored in memory slot “U0”. Please note that every time the alarm input has been triggered you need to send a SMS to the unit like this “PH0000RESETALARM” before the input can be triggered again.

4. Remove the transparent cover and gently install the SIM-card into the SIM-card slot taking notice of the SIM-card direction. Please make sure that the SIM-card does not have a PIN-lock. To disable the SIM-card PIN-lock insert the SIM-card into a mobile phone and go to settings and **disable** the PIN-lock. Refer to your mobile phones user manual. Also note that the SIM-CARD must show incoming numbers and that the SIM-card needs to be activated. If possible, install the SIM-card in a regular mobile phone and call it to verify that the SIM-card works correctly.

5. Lastly mount the cover and connect the unit to the connection cable.

After you turn on the power the “SIGNAL LED” will start to flash every second. When the unit has connected to the GSM network the “Signal LED” will start to flash every 4 seconds instead (this usually takes about 1 minute). Wait 1 more minute before calling or sending SMS to the unit.

This unit only works with GSM SIM-cards, not 3G/4G/LTE or CDMA! The SIM-card must be installed prior to turning on the power.

Usage

The GSMS-PH3 can be controlled using both SMS and phone calls. When controlling the unit with **phone calls** you will first need to add the phone numbers you choose to the unit’s memory (up to 10 numbers) so that only these authorized phone numbers can call and control the unit. After this is done, all you need to do is to call the phone number to the SIM-card installed in the GSMS-PH3 and roughly 2 tones will be heard and then the call will hang up and the preheater will turn on or off. Since the call is not answered by the unit, there will be no costs using this method.

Note: Depending on the telephone network operator you will hear either a busy signal or a recorded announcement when the call hangs up.

If you want to, you can setup the unit so it will send back a confirmation SMS to let you now that the command has been successfully executed when you called the unit (this is by default off).

Note that every confirmation SMS will be charged by the network provider. Also make sure the SIM-card placed in the unit is charged with money or else you will not be able to get a confirmation SMS back.

Another way to control the unit is by **SMS messages**. When using SMS to control the unit you do not have to add the users phone number to the unit’s memory, instead for security a 4-digit password is used. This way an unlimited number of users can control the unit with SMS. With SMS you can turn on and off the preheater and also check if the preheater is on or off (please note that this command cannot be used to check if the preheater is on or off if the preheater is controlled by the controller). As with the phone call method you can set the unit to send back confirmation SMS (this is by default off). Using SMS is also the way you configure the unit’s settings as explained on page 4.

Controlling the unit with SMS will charge you for the SMS that you send to the unit and for the (possible) SMS received from the unit. Please refer to your telephone operator for pricing.

Note that even if there is no money on the SIM-card the commands will be executed anyway, only difference is that you will not get a confirmation SMS back.

SMS commands

When controlling the unit using SMS it will require a 4 digit password (default “0000”). Every command will begin like this “PH0000”.

Please do not use any spaces or characters other than specified. By default you will not get a confirmation SMS when controlling the preheater on and off, but all other commands will send back a confirmation SMS if successfully executed. The commands are not case-sensitive but for clarification all examples is uppercase.

PH0000CP1234
Changes the password from “0000” (default) to for example “1234”, this new password “1234” will be used in the next examples.

PH1234SIGNAL
Gives information about the signal strength. You will receive a number from **0-31** where **0-1** = Very poor, **2-9** = Poor, **10-14** = OK, **15-19** = Good, **20-31** = Excellent. This number should be at least 10.

PH1234SMS0, PH1234SMS1, PH1234SMS2, PH1234SMS3
Command to change the way you want confirmation SMS back from the unit. **0** = OFF (default), **1** = Only when controlled by SMS and not phone calls, **2** = When controlled by SMS and phone calls, **3** = Both SMS and phone calls and a SMS when the timer has ended.

PH1234TIMER30M
Command to set heating time. The timer value can be 10 - 60 minutes.

Default setting = 30 minutes

PH1234U0A00000, PH1234U1A11111 ... PH1234U9A99999
First command adds phone number “00000” to units authorized memory slot “U0”. The memory has a capacity of 10 phone numbers “U0-U9”, for example if you want to add phone number “11111” to memory slot “U1” use this command “PH1234U1A11111”. Please write down the phone numbers added for future reference. Only these phone numbers can control the unit using phone calls, all other calls will be ignored.

Note that this command will overwrite an existing phone number.

PH1234U0A0, PH1234U1A0 ... PH1234U9A0
Erases phone number on memory slot “U0”, “U1” ... “U9”.

PH1234RESETDATA
Erases all data and returns the unit to default.

PH1234RESETALARM
Every time the input has been triggered this command needs to be sent to the unit before it can alert the next time the input is triggered.

PH1234HELP
Returns a SMS with all the basic SMS commands.

PH1234ON, PH1234OFF
Command to control the preheater. **ON** = Turn on, **OFF** = Turn off.

PH1234CHECK
Returns the state of the preheater (if it is turned on or off).

PH1234ON10M
This command is independent of the timer setting and will turn on the preheater for the set time ignoring the timer, for example if you have set the timer to 30 min but you want the preheater to turn on one time only for 10 minutes use this command “PH1234ON10M”.

PH1234ONF00H01M, PH1234ONF99H99M
Command to turn on the heater in the future.
Range: 1 minute - 99 hours and 99 minutes.