

CALL-START OPERATING INSTRUCTIONS

OVERVIEW

The CALL-START 007 GSM remote controller is a SIM Card based system that allows you to control most heating systems with a simple telephone call, text message or the Free Apple or Android App.

The system can initially be set up using either SMS (Text) commands to program your preferred operating method or using the Free App. The system will operate on either 12 or 24-volt DC supplies, and has been tested using Vodafone, EE and O2 SIM Cards

PROGRAMMING THE ADMINISTRATION NUMBER

Call-Start requires a SIM card to be fitted (not provided.). Once the SIM card has been installed and the system switched on, the blue and yellow LED lights will oscillate infrequently until the Blue Network LED lights and flashes every 1-2 seconds when the system has located a GSM Network.

Now hold down the Setting button located on the left side of the unit for approximately 3 seconds and release; the Blue LED remains permanently ON

You now call the telephone number of the unit, it will read your telephone number and then reject the call. Your number is now the principal administration number that will be used to program the unit. The system will also send the administrator a confirmation SMS message in the format SAVE ADMIN OK! your number is now ready to access and programme the system. Only an administrator can alter the programming other users can only call or use SMS to turn the heater on and off, but the administrator must authorise the phone numbers first.

The Voice Call operates in one of two modes, either a timed 'on' period with or without SMS confirmation (Mode A)

Or a toggle from 'on' to 'off' using a phone call with or without SMS confirmation (Mode B)

You can turn the heater on for a set period via SMS (Timed On Control), or Set a Permanent Timed On, with activation by a single SMS On message, also you can turn the heater on continuously and activate with a single SMS text

Note: although the commands are shown in these instructions in upper case, lower case may also be used.

ADDING AND DELETING ADDITIONAL USERS

You can add a further 999 users to the system by sending from the administrator's phone only, the following SMS message 1234AD followed by the user's phone number i.e. 1234AD0862039845# you will receive a confirmation SMS of SET OK.

Up to eight users can be added by separating the phone numbers using the # symbol.i.e.1234AD0862039845#0862039846#

To remove a user from the list, the administrator would send the SMS 1234DD followed by the user's number and finish the sentence with the # symbol you will receive a confirmation SMS of DELETE OK.

To delete users up to a maximum of eight separate the numbers using the # symbol i.e.1234DD0862039845#0862039846#

To delete the entire user list the administrator sends 1234FD and receives the following SMS confirmation of FD OK, now only the administrator can access the system.

VOICE CALL ACTIVATION SETUP

MODE A SETTING A TIMED RUN PERIOD

The run period is set in seconds from 900 (15 minutes) to 64,800 (18 hours). See the Run Time Table

The SMS command to set the run period is followed by the number of seconds.

The command is 1234MA900#1 for a fifteen minute runtime with SMS confirmation or 1234MA900#0 without confirmation.

You will receive the following SMS confirmation of MA900#1 OR MA900#0

Thereafter when you call the unit it will run for the pre-set time.

MODE B SETTING A ON/OFF USING A VOICE CALL

You can also set the system to toggle from 'on' to 'off' with alternate phone calls, it also allows you to have a confirmation SMS message if required.

The command to use the voice call on/off with confirmation is 1234MB1# with a confirmation SMS of MB1 OK

You will receive a SMS message OUT1 ON or OUT1 OFF with alternative calls. This can be customised if using the App.

Or by sending the following SMS 1234RL11: Heater On and 1234RL10: Heater Off, you may substitute your own text.

The command to use the voice call on/off without SMS confirmation is 1234MB0# with a confirmation SMS of MB0 OK

SMS TEXT ACTIVATION

SENDING A TIMED-ON CONTROL

The run period is set in seconds from 900 (15 minutes) to 64,800 (18 hours). See the Run Time Table

The SMS command to set the run period is followed by the number of seconds.

The command is SC900 for a fifteen minute runtime with SMS confirmation of CONTROL OK

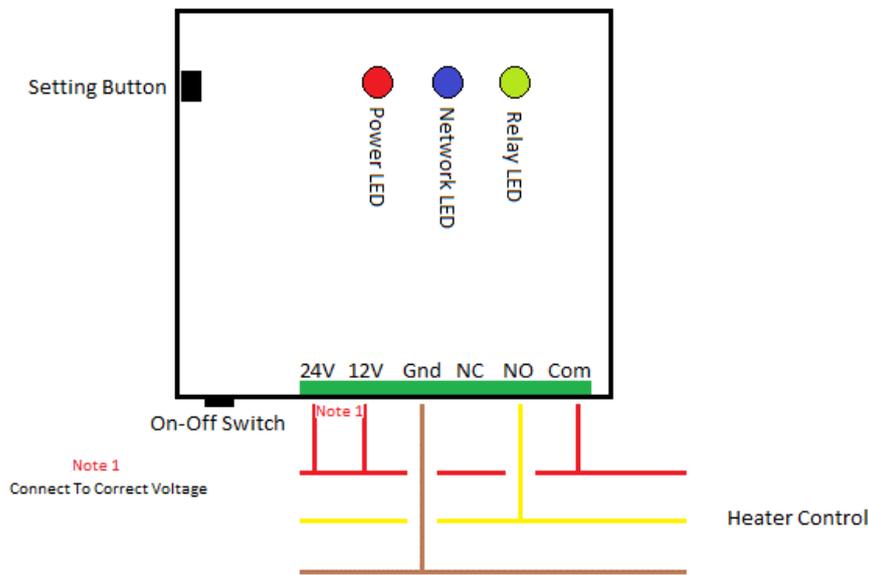
SETTING A PERMENANT TIMED ON

The run period is set in seconds from 900 (15 minutes) to 64,800 (18 hours). See the Run Time Table

The SMS command to set a timed On command is 1234ME900#1 for a fifteen minute activation using the ON1 text message, this can be interrupted by sending the text message OFF1

If the Timed On period is set to zero (1234ME0#1) then the heater will stay permanently On until the OFF1 text is sent.

Note that sending OFF1 will always turn the heater off no matter how it was activated.



EBERSPACHER INSTALLATION INSTRUCTIONS

The Call-Start base unit needs to be installed in a dry place with mobile reception in mind, either into the wiring that comes from the heater to the control device as shown in the diagram or alternatively the unit's power can be supplied from a separate source as long as the voltage is the same as the heater's voltage, then the only other connection required is from the unit's Normally Open (NO) connection to the heater's control yellow wire. Note: when remotely controlling an air heater, the heater's cabin control must be set at a temperature above ambient to ensure the heater switches 'On'.

Please also note that if there is a standard Eberspacher control device fitted then it will not show that the heater has been activated. If the duration time set exceeds your arrival at the Boat or Vehicle, then the Call Start will need to be de-activated to regain local control.

Specifications

12 or 24 Volts D.C.

Maximum Relay Current 2 Amps.

Tested Using Vodafone, EE and O2

Run Time In Hours.	Time In Seconds
¼ hour	900
½ hour	1800
¾ hour	2700
1 hour	3600
1 ½ hours	5400
2 hours	7200
2 ½ hours	9000
3 hours	10800
3 ½ hours	12600
4 hours	14400
4 ½ hours	16200
5 hours	18000
6 hours	21600
8 hours	28800
10 hours	36000
12 hours	43200
14 hours	50400
16 hours	57600
18 hours	64800