UK - Manual

SafeHome®
GSM Power Socket

S30

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SafeHome® GSM Power Socket

Thank you for purchasing the SafeHome S30.

The SafeHome S30 GSM power socket is a remote controlled socket consisting of a GSM module. The power supply output of the socket can be turned on or off remotely by the SMS (Short Message System) command or local controlled by pressing button. It is an intelligent power supply socket controlled by users' mobile phone at anytime and anywhere.

SafeHome S30 is suitable for controlling electrical appliances with power consumption less than 3000W in household or office. It is universal for all kinds of indoor power supply sockets.

With connected temperature sensor, SafeHome S30 can switch on or off the socket output according to the environment temperature. It's useable for power control of the heating or refrigeration plant, to keep the environmental temperature within preset range or at a fixed temperature. Furthermore, an SMS notification will be sent to master's mobile phone if SafeHome S30 detects a rapid-change or when the pre-set temperature is reached.

SafeHomeS30 is mainly applied for house and office usage. It is not suited for industrial applications, or in humidity and dust condition.

Details of the functions and advanced operations of this socket, are described in this instruction manual.

OBS!

1. **Used with a GSM SIM card from a service provider that supports 2G network. SIM card number is referred to as the SafeHome S30 number in this manual.**
2. **The user needs to activate the Caller ID Presentation function of SIM card, and deactivate PIN code of the SIM. Contact with GSM network service provider for support.**
3. **You should change the original password to the socket. Be sure to store the password and SIM card number safe. Do not reveal this information to anyone other than the authorized users.**

For your safety

- This socket was designed for home or office use. Do not use it on the electrical appliance which is for industry or business operation, for example, iatrical appliances, large heaters and refrigerators.
- Before using this socket, make sure that the mobile operator has full coverage in the area, otherwise, do not put this socket into operation.
- The power consumption of the appliances connected with the socket cannot exceed 3000W and the current cannot exceed 16A.
- Electrical appliances with power consumption higher than 1500W must be grounded.
- Do not make two plugs of socket short circuit.
- Do not touch the socket jack by any metal objects or hand.
- This socket was designed for indoor use. Don't use it in wet, chemically aggressive or dusty environment.

- Do not open the socket.
- This socket is a wireless signal transmission socket. Keep it away from electronic equipment likely to interfere with the wireless signals, in order to avoid signals interference.
- Do not cast this socket in a fire, as this may cause explosion.
- This socket should only be operated from power approved by the socket manufacturer. The use of any other types of power may damage the socket.
- Keep the socket and its accessories out of children's reach.

Chapter 1 Features and accessories

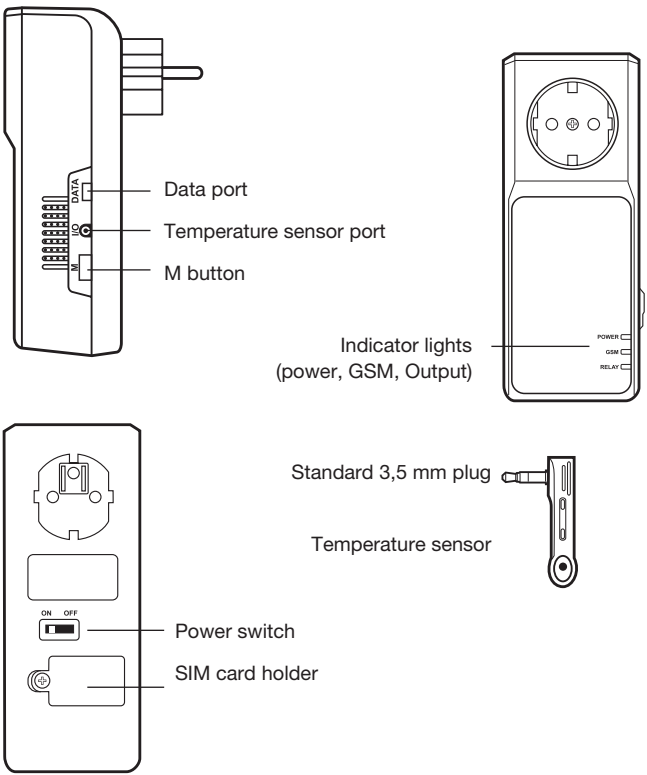
1.1 Main function

- This socket uses a GSM 2G SIM card.
- Remotely operate by SMS command: The socket be controlled and set by sending SMS commands.
- Input: 110V-250V/50Hz.
- Output: Max.16A for long-duration operation.
- Relay: 30A/250V relay with two working status power on/off for output outlet.
- M button: To manually control output power on/off.
- Delayed on/off.
- Auto operates by preset schedule.
- External temperature sensor supported: Send temperature SMS to mobile phone.
- Auto operates by temperature: Available for power control of the heating or refrigeration plant, to keep the temperature within preset range or at fixed temperature.
- SMS alarm when the temperature changes rapidly or reaches the preset temperature.
- Supports 5 mobile phone users.
- Auto time-synchronization.
- SMS notification upon changes in power supply.
- Operated using SMS commands (Short Message System), directly by pressing buttons, or compatible apps such as “Tuta GSM Power Socket”.

1.2 Package contents

GSM power socket (1 unit), temperature sensor (1 unit), manuals.

1.3 Sockets instructions



1.4 Light indicator and “Beep” warning tone

Indicator	Action	Status
Power (Green) light	Turning off	No power supply
	Constant light	Has power supply
GSM (Blue) light	Turning off	Not installed SIM card, or the power switch of socket is “OFF”
	Flash	Busy or searching GSM network
	Constant light	Successfully connection to GSM network
Output (Red) light	Constant light	The socket outlet has power supply
	Turning off	The socket outlet cuts power supply
“Beep” warning tone	One time	The socket outlet changes power supply status.
	Several times	Lost external power supply
	Long Beep	Successfully registered GSM network, or it is successfully resat to it’s factory settings.

Note:

The “Beep” warning tone can be turned on or off by SMS command. Refer to Chapter 3.10 for details.

If the GSM signal is too weak, the socket will send a SMS message “Weak GSM signal” to the master user. The socket should be placed at another location with improved signal for proper operation.

Chapter 2 Quick start

2.1 Install the SIM card and temperature sensor

- Turn the power switch to “OFF” position.
- Loosen the screw and open the SIM cover.
- Push the metallic cover of the holder to “OPEN” direction and open the SIM card holder.
- Place the SIM card in the card holder, ensuring that the beveled corner is toward the beveled corner of the SIM holder and the golden contact area is facing downwards.
- Close the metallic cover and push it to “LOCK” direction. The SIM card will be fixed in the holder.
- Fix the SIM cover in it’s position.
- Insert the temperature sensor into the I/O port until it is clicks.

2.2 GSM Power on/ off

Power on:

1. Turn the power switch to the “On” position.
2. Plug the SafeHome S30 in to an AC power socket.
   The blue light flashes slowly for about 20 seconds, then the blue light will turn on constantly and a long “Beep” tone will be heard (if “Beep” warning tone is enabled).
3. Insert the plug of an appliance in the SafeHome S30 electrical outlet.
4. M button (See 3 on Figure1) can be held for about 0.5 second to switch on or off the output of socket. After adding user numbers to the socket, users can send SMS command to control the power supply output. (Refer to Chapter 3.3)

Power off:

1.Turn the power switch to “Off” position. The blue light turns off.
2. The socket outlet can work as a normal power socket. SafeHome S30 can not be controlled by SMS commands. M button is disabled.

Note:

1. If the GSM indicator light is not constant on. the SIM card is not working correctly and no functions are operational.

2. Check GSM network signal:
   - The GSM network's signal strength may affect the socket feature. Therefore, before using, the user should ensure that SafeHome S30 is used in an area with a strong GSM network signal.
   - For first time use, the user should perform a test-run by sending an SMS to the socket. This allows the user to check the SMS network connection of the socket.

2.3 Operation and format

Download an compatible APP such as the "TUTA GSM Power Socket" or other listed at the SafeHome support page. If not, use the SMS commands from this manual to operate the GSM Power Socket.

Format and Commands

All instructions, sent to yhe GSM Power Socket, are sent by SMS using the character # and the digits 0-9. Never letters or spaces.

2.4 Add a Master number to the socket

The user must edit and send the following SMS to the socket via his/her mobile phone (the phone number will be the Master number):

#00#

Successful SMS reply:

Welcome to use SafeHome-S30.

Your Password is:1234

2.5 The regulation of time

If SafeHome S30 is being used for the first time, or it has been reset, the Master user must adjust the socket time according to the current time of SMS center. Otherwise, SafeHome S30 will use the original time from 00:00:00, 1st.Jan.2004.

To set the socket time, use the sim card number, this is usually found printed on the sim card.

Sim Card number must be the SIM card in Safe Home S30's number

Method

The Master user sends the following SMS message in order to regulate the socket time:

#152#SIMCardNumber

Successful SMS reply:
The socket current time is yyyy/mm/dd hh:mm.

2.6 Socket output switching on/off

Method

Method 1. Press M button for 0.5 second.

Method 2:
The Master user sends the following SMS message to socket in order to:

Switch on the socket output: **#01#**
Switch off the socket output: **#02#**

Successful SMS reply:
Status: ON/OFF
Temp:**
Temp control: function ON/OFF
Schedule control: function ON/OFF
Delay control: function OFF

2.7 External power supply notification

SafeHome S30 will notify the user when the external power changes. The “Beep, Beep…” tones will be heard (if enabled), also a SMS notification will be sent if the SIM card is available:

Lost external power supply:

If the plug of SafeHome S30 is disconnected from external AC power or loss of the AC power occurs, all operating of SafeHome S30 is deactivated, including M button and all SMS commands. SafeHome S30 will notify the user “Main electricity supply lost Temp:**”.

Resume external power supply:

If the AC power of SafeHome S30 is available again, the SMS notification is sent to the user, i.e.” Main electricity supply restore Status: ON/OFF Temp:**”

When the external power supply is resumed, the output of SafeHome S30 will keep its previous working status. For example, if the output is switched on before the external power supply cut off, the output will be switched on when the external power supply is resumed.

If the power supply is switched on and off frequently, SafeHome S30 will send reminding SMS messages.

The SMS notification upon external power supply changing can be disabled. (Refer to Chapter 3.9)

Chapter 3 Advanced settings

3.1 Define the users

3.1.1 User authorization level

All the settings of SafeHome S30 can be set or adjusted via a SMS command. There are two user controlling levels:

Master user:

Only one Master has authorization to use all features of SafeHome S30.

In order to enable all the functions on the socket, the Master user must store his/ her mobile number in the socket's memory. Only one Master's mobile number (Master number) is allowed for a socket.

Family users:

Four Family users have authorization to use the two commands to switch on or off the socket output.

Other mobile phone users have no authorization to use SafeHome S30.

3.1.2 About the SMS Command

- Master user's SMS command format: #code#content#.
- Family users' SMS command format: #code#content#password#.
- The password must be a four-digit number.
- The original password is 1234.
- The maximum digits that are allows for the phone number is sixteen.
- SafeHome S30 will reply to the user after it receives the SMS command.

Note

- The "#" symbol must not be ignored when typing an SMS command.
- No spaces within the commands are allowed.

3.1.3 Add a master number to the socket

If SafeHome S30 is being used for the first time, or SafeHome S30 has been reset to factory settings, the Master user's number must be programmed into the socket.

Method

The user must edit and send the following SMS to socket via his/her mobile phone (the phone number will be the Master number)

#00#

Successful SMS reply:

Welcome to use SafeHome-S30.
Your Password is:1234..

Failed SMS reply:
If a user tries to add another Master user again, SafeHome S30 will send a notification via SMS stating "The master user already exists.". The Master number should be changed. (Refer to Chapter 3.1.4)

3.1.4 Change the master number

Method

Method 1:
The Master user sends following SMS message in order to change the master user's number:

#14#NewMasterNumber
(NewMasterNumber should be the new master number)

Successful SMS reply:
New master number set successfully.

Method 2:
SafeHome S30 should be resat to factory settings to remove old Master number before setting the new one. (Refer to Chapter 3.12)

Successful SMS reply will be sent to the new Master user. Then the old Master user's number will not be able to control SafeHome S30 anymore.

3.1.5 Add a family number

Up to 4 family user numbers can be stored in one socket.

Family users have the authority to send SMS command to switch on or off the SafeHome S30 output, and receive the temperature alarm message as well. The family users should remember and safeguard the socket's SIM number.

Method

The Master user sends the following SMS message in order to add a family number:
#06#FamilyNumber#

Add several family numbers:
#06#FamilyNumber1#...#FamilyNumber4#

Successful SMS reply:
#******# Family numbers set successfully.

3.1.6 Check family user's number

Refer to Chapter 3.11 Check status.

3.1.7 Delete family number

Method

The Master user sends the following SMS message in order to:
Delete a family number: **#113#FamilyNumber#**
Delete several family numbers simultaneously:
#113#FamilyNumber1#…#FamilyNumber4#

Delete all family numbers: **#113#**

Successful SMS reply:
#******# Family number has been deleted.

Failed SMS reply:
#******# The family number does not exist.

3.2 Change password

Method

The Master user sends the following SMS message in order to change the password: **#04#Oldpassword#Newpassword#**

- The password is a four digit number.
- The original password is 1234.

Successful SMS reply:
New password is ****.

3.3 Switching on/off the socket output manually

When the socket output is switched on, SafeHome S30 offers power supply for electronic appliance it is connected with to. The red indicator light is constant, if not, SafeHome S30 has no power supply for electronic appliance and the red light is off.

Note: If the socket output status is changed manually (including pressing the M button, sending SMS, making phone call), the preset timing, delaying or temperature control of the socket will be invalid automati-

cally and a SMS notification message will be sent to the Master.
The set time range and temperature range parameters will be saved until SafeHome S30 is reset to factory settings.

3.3.1 Switching on/off by SMS

Method

The Master user sends the following SMS message in order to:
Switch on the socket output manually: **#01#**
Cut off the socket output manually: **#02#**
The Family users send following SMS message in order to:
Switch on the socket output manually: **#01#Password#**
Cut off the socket output manually: **#02#Password#**

- SMS reply will be also sent to Master user when Family users use these two commands to change the socket output successfully.

Successful SMS reply:
Status: ON/OFF
Temp:**
Temp control: function ON/OFF
Schedule control: function ON/OFF
Delay control: function ON/OFF

3.3.2 Switching on/off by M button

Press M button on the SafeHome S30 for half a second. The OUTPUT indicator light will turn on or off to indicate that SafeHome S30 output is switching on or off.
The SMS reply is the same as in Chapter 3.3.1.

3.3.3 Switching on/off by calling

If the Master user calls SafeHome S30, the socket output will be switched on or off automatically when the user hears the ring tone in the phone. The calling will be hung up automatically if the user doesn't hang up the call.

Method
The Master user sends the following SMS message in order to:
Enable switching on/off the output by calling: **#18#1#**
Disable switching on/off the output by calling (Default): **#18#0#**

Successful SMS reply
Status: ON/OFF
Temp:**
Temp control: function ON/OFF
Schedule control: function ON/OFF
Delay control: function ON/OFF

3.4 Delayed-switch on/off the socket output

The output of SafeHome S30 can be set to delay switch on or off for a period with SMS commands.

When the “delayed-switch on/off the socket” function is applied, the preset “timed switch on the output” function will be invalid at once.

When the “delayed switch on the socket” command is received and if the socket output is switched on, the socket output will be switched off immediately and switch on again as the set delayed time is reached. Contrarily, if the socket output is switched off, the output will remain switching off until the set delayed time is reached. After switching on the output, the following SMS reply will be sent:
Status: ON
Delay control: function OFF

When the “delayed switch off the socket” command is received and if the socket output is switched on, the socket output will remain switched on and be switched off as the setting delayed time is reached. If the socket output is switched off, it will be switched on immediately and be switched off again when reaching the set delayed time. After switching off the socket output, the following SMS reply will be sent:
Status: OFF
Delay control: function OFF

Method
The Master user sends the following SMS message in order to:
Delay switching on the output after a certain period of minutes:
#138#1#Minutes#
Delay switching off the output after a certain period of minutes:
#138#0#Minutes#
Minutes are time parameters, its range is 0-720.

Successful SMS reply
Status: ON/OFF
Output will switch off/on after * minutes.

3.5 Timed switching on the socket output

3.5.1 Enable timing switching on the output

The output of SafeHome S30 can be set to switch on for a period and then be switch off.

Method
The Master user sends the following SMS message in order to:
Enable timing switching on the output: **#128#1#**
Successful SMS reply
Schedule control: function ON
WorkDay, StartTime-EndTime

If the value of the “WorkDay, StartTime, EndTime” on the SMS reply are all 0, it means the time duration has not been set. (Refer to 3.5.2). Then SafeHome S30 will keep switching on or off the output automatically according to the schedule settings.
If the socket output status is changed manually (including pressing M button, sending SMS and making phone call), the preset timing, delaying or temperature control of the socket will be invalid automatically. The set time range parameters will be saved until SafeHome S30 is reset to factory settings. If these functions need to be restarted, the following SMS commands must be sent:
Timing: **#128#1#**
Temperature control: **#159#1#**

3.5.2 Set time period to switch on the output

After successful setting of time period to switch on the socket output, the scheduled parameters will be saved on the socket until SafeHome S30 is reset to factory settings.
But the “timed switch on the output” feature is applied only when command **#128#1#** is set.

Method
The Master user sends the following SMS message in order to:
Set time period to switch on the output:
#129#WorkDay#StartTime#EndTime#StartTime#EndTime#

WorkDay: One digit, the values lie in the range of “0” to “9”.
The following table contains the descriptions of each value:

Value	Corresponding day
0	Everyday
1	Monday
2	Tuesday
3	Wednesday
4	Thursday
5	Friday
6	Saturday
7	Sunday
8	Monday to Friday
9	Saturday to Sunday

StartTime and EndTime: Consists of 4 digits (hh:mm) and works on a 24 hour clock. The StartTime and EndTime should be in the same day, and the EndTime must be later than StartTime. Up to 3 periods of time can be set at a day

For example: **#129#1#0000#2130#** , 0000 means time 00:00(hh:mm) AM, 2130 means time 9:30PM.

Successful SMS reply
Schedule control: function ON/OFF
WorkDay, StartTime-EndTime

3.5.3 Disable timing switching on the output

Method

The Master user sends the following SMS message in order to:
Disable timing switch on the output: **#128#0#**

Successful SMS reply:
Schedule control: function OFF
WorkDay, StartTime-EndTime.

3.6 Auto-control the socket output by temperature

3.6.1 Enable auto-controlled by temperature

The external temperature sensor must be plugged into the socket, after which, the socket can be controlled by the temperature in the room. If there is no set time periods, the socket outlet can be ON / OFF controlled in accordance with the surrounding temperature.
If there is a set time period, the temperature control will only function in the set period.

For example: SafeHome S30 is used for controlling a heater. If users have set the socket to swich on when the indoor temperature is below 20 degrees and turn off when the indoor temperature is above 28 degrees. Time is set to activate 9:00 to 17:00. In this case, the connector control the temperature automatically between the hours of 09:00 and 17:00. In the rest period will plug socket is switched off.

Method
The Master user sends following SMS message in order to:
Enable auto-control the output by temperature: **#159#1#**

Successful SMS reply:
Status: ON/OFF
Temp control: function ON
Temp: **
Mode: Heating/Cooling
Range: LowTemp ~ HighTemp

If the status of the socket is changed manually (including by pressing the M button, send text messages and make phone calls), the preset timing, delay or temperature control are turned off automatically, but the settings are saved until Safe Home S30 is reset to factory settings. If these functions must be restarted, the following SMS commands is sent:
Timing: **#128#1#**
Temperature Control: **#159#1#**

3.6.2 Set temperature range to switch on/off the output

After successful setting of temperature range, the temperature parameter will be saved on the socket until SafeHome S30 is reset to factory settings. But the “Auto-controlled by temperature” feature is applied only when command 20 be set.

Method
The Master user sends the following SMS message in order to set temperature range to switch on/off the output:
#159#Mode#LowTemp#HighTemp#

Mode is the control selection:
For coldness, mode=1. For warmness, mode=0.
LowTemp and HighTemp means temperature value, the range is -10 to 50 °C, if LowTemp equals to HighTemp, constant temperature control will be activated.

Example 1: set commands: **#159#0#10#20#**, if the environmental temperature is 5 degrees (below the limitation of 10 degrees in the command), the socket output will be switched on to power heating apparatus; and if the environmental temperature is 24 degrees (above the limitation of 20 degrees in the command), the socket output will be switched off and the heating apparatus stops working;

Example 2: set commands: **#159#1#10#20#**, if the environmental temperature is 26 degrees (above the limitation of 20 degrees in the command), the socket output will be switched on to power cooling apparatus; and when the environmental temperature is 7 degrees (below

the limitation of 10 degrees in the command), the socket output will be off, cooling apparatus stops working.

Successful SMS reply:
Status: ON/OFF
Temp control: function ON/OFF
Temp: **
Mode: Heating/Cooling
Range: LowTemp ~ HighTemp

3.6.3 Disable auto-controlled by temperature

Method
The Master user sends the following SMS message in order to:
Disable auto-control of the output by temperature: **#159#0#**

Successful SMS reply:
Status: ON/OFF
Temp control: function OFF
Temp: **
Mode: Heating/Cooling
Range: LowTemp ~ HighTemp

3.7 Temperature alarm

3.7.1 Over-temperature alarm

The outlet can be set to send an SMS to the user if a preset temperature range is exceeded.

Method
The Master user sends following SMS message in order to:
Enable over-temperature alarm: **#170#1#**
Disable over-temperature alarm: **#170#0#**
Set limits of temperature: **#170#MinTemp#MaxTemp#**

MinTemp and MaxTemp: The values are whole numbers, can be set within the range of -10 to 50 °C. The difference of MinTemp and MaxTemp values should not be 0.
Default MinTemp is 20 and MaxTemp is 30 centigrade degree.

Successful SMS reply:
Temperature alert: function ON/OFF
Min Temp.:**
Max Temp.: **.

3.7.2 Temperature rapid-changing alarm

A time period value and temperature changing value can be preset in the socket. In this case, if the surroundings temperature change to the preset value within the preset time period, a SMS alarm message will be auto-sent to master's mobile phone.

This feature depends on the temperature sensor.

Method
The Master user sends following SMS message in order to:
Enable the temperature rapid changing alarm: **#160#1#**
Disable the temperature rapid changing alarm: **#160#0#**
Set time period and temperature changing value: **#160#Temp#Time#**

- Temp: The values lie in the range of 1 to 50 °C.
- Time: The values lie in the range of 1 to 300 minutes.
- Default Temp is 2 degree and Time is 1 minute.

Successful SMS reply:
Fast temperature changing.: function ON/OFF
Delta:**
Time:* minutes

3.8 SMS notification upon the socket output changing

SafeHome S30 will default notify the user when the state of the socket output is changed with a SMS notification. The Master user can enable/ disable this SMS notification.

Method
The Master user sends the following SMS message in order to:
SMS notification upon the socket output changing (Default): **#11#1#**
No SMS notification upon the socket output changing: **#11#0#**

Successful SMS reply
Set no SMS notification when socket output changed.
Set SMS notification once socket output changed.

3.9 SMS notification upon external power supply changing

SafeHome S30 will default notify the user when the state of the external power supply is changed with an SMS notification. For example:
Main electricity supply lost
Temp:**
or
Main electricity supply restore
Status: ON
Temp:**

Method
The Master user sends following SMS message in order to set:
SMS notification upon the power supply changing (Default):
#12#1#
No SMS notification upon the power supply changing:
#12#0#

Successful SMS reply
(No) SMS notification upon main electricity supply changing.

3.10 “Beep” warning tone

A “Beep” warning tone will sound if the work state of SafeHome S30 is changed. The “Beep” warning tone is default turned off. The Master user can enable it by sending SMS command.

Method
The Master user sends following SMS message in order to:
Enable the “Beep” warning tone: **#19#1#**
Disable the “Beep” warning tone (Default): **#19#0#**

Successful SMS reply:
Beep alarm activated/de-activated.

3.11 Check status

Method
The Master user sends following SMS message in order to:

Check socket operating status**: #07#**
After receiving the SMS commands, SafeHome S30 will reply an SMS message of socket status checking:
Number:**********,**********
Status: ON/OFF
TEMP:**
Temp control: function ON/OFF
Schedule control: function ON/OFF
Delay control: function ON/OFF

Check socket output status**: #000#**
After receiving the SMS commands, SafeHome S30 will reply an SMS message of socket output status:
Status: ON
Temp:23.

Check “delayed switch on/off the socket” parameters**: #138#**

After receiving the SMS commands, SafeHome S30 will reply an SMS message of “Delayed switch on/off the socket” parameters checking:
Status: ON/OFF
Output will switch off/on after ** minutes.

Check “Timing switch on the socket” parameters**: #128#**

After receiving the SMS commands, SafeHome S30 will reply an SMS message of “Timing switch on the socket” parameters:
Schedule control: function ON/OFF
WorkDay, StartTime-EndTime.

Check “Temperature control” parameters**: #159#**

After receiving the SMS commands, SafeHome S30 will reply an SMS message of temperature parameters checking:
Status: ON/OFF
Temp control: function ON/OFF
Temp: **
Mode: Heating/Cooling
Range: LowTemp ~ HighTemp

If “No temperature sensor connected” is received, it means SafeHome S30 cannot detect the temperature sensor. User needs to check if the temperature sensor is fully inserted to the I/O port.

Check “temperature rapid changing alarm” parameters**: #160#**

After receiving the SMS commands, SafeHome S30 will reply an SMS message of parameters. The SMS alarm message will be sent if the surrounding temperature changes “Delta” centigrade degree within * minutes:
Fast temperature changing.: function ON/OFF
Delta: *
Time: * minutes

Check “over-temperature alarm limits” parameters**: #170#**

After receiving the SMS commands, SafeHome S30 will reply an SMS message of parameters. The SMS alarm message will be sent if the temperature reaches MinTemp or MaxTemp centigrade degree:
Temperature alert: function OFF
Min Temp.: **
Max Temp.: **

3.12 Resetting the socket

This function resets all programmed settings to their original values, including clearing all user number, timing and temperature parameters.

If the set status is wrong or the unit is malfunctioning, users can restore the socket to its original state to make it operate normally again.

This function needs to be used carefully as it also erases all set values.

Method

Method 1: Press the side M button of the device for 5 seconds.

Method 2: The Master user sends the following SMS message to Safe-Home S30 in order to:

Reset the socket: **#08#**

Successful SMS reply:
Reset the socket to factory setting successfully.
A long “Beep” t one (if enabled) will be heard and it means resetting the socket successfully.

Chapter 4 Maintenance

- If SafeHome S30 is not used for a long time, it should be disconnected.
- Store and use the remote socket in a suitable temperature. Too high or too low temperature will likely to damage the socket.
- Keep the SafeHome S30 and all its accessories dry. Do not store and use it in the bathroom, or other place with high humidity. Do not allow water or other liquids into the socket, otherwise, it might cause malfunctions.
- Do not store and use the socket in dusty surroundings.
- Do not use alcohol, acetone and other similar solvents to clean it. Wipe it with soft-wet cloth.
- Do not open the GSM Power Socket. If the socket does not work normally, try to resolve it as the guide of the “general troubleshooting”, if to the problem can not be solved, contact the dealer immediately.

Chapter 5 Main Technical Parameters

Input power socket:	110~250V/50HZ, CEE 7/7 hybrid Schuko/French plug
Output power socket:	110~ 250V/50HZ, 250V/30A(30s), 16A long-duration, CEE7/4 German “Schuko”
Operating temperature:	÷10 °C~+50 °C
Store temperature:	÷20 °C~+60 °C
Relative humidity:	10-90 %, without condensation
Communication protocols:	GSM PHASE 2/2+ (including data operation)
Data interface:	GSM SIM 1.8 V / 3.0 V socket
External temperature sensor:	÷10 °C~50 °C
GSM working band:	EGSM900,DCS1800

Chapter 6 General Troubleshooting

No.	Trouble	Reason	Solution
1	Power indicator light turns off	No power input.	Check external AC power.
2	GSM indicator light turns off	Can't find or identify the SIM card. The power switch is OFF.	SIM card not installed properly: Power off the socket and check it again. Power on the socket.
3	Socket output cannot be changed by M button.	No power input. The power switch is OFF.	Check external AC power available. Power on the socket.
4	All functions are disabled (Indicator is working)	Caller ID presentation do not active, insufficient fee of the SIM card.	Contact network provider to activate SIM card function. Pay for the card.
5	Socket does not response to any operation.	Works abnormally	Switch off the power, check SIM card, or reset factory setting.

No.	Trouble	Reason	Solution
6	After power on the socket, GSM indicator keeps flashing.	Network signal weak or network busy.	If mobile phone's signal is weak too, place the socket at other place with strong signal and try again.
		SIM card PIN code actives.	Delete the PIN code.
		SIM card invalid	Contact with local operator to check of it
7	The master number already exists.	Other master is already set in the socket.	Change Master number or reset to factory default setting.
8	Invalid format. Please check and try again	Invalid command.	Refer to the user's manual.
9	No authorization user		Use the Master mobile phone to try the command again.

Appendix: SMS Commands list

Category	Function	Command	
Time	Regulate the socket time	#152#SIMCardNumber#	1
Define the users	Add a master number to the socket	#00#	2
	Change the master user's number	#14#NewMasterNumber#	3
	Add a family number	#06#FamilyNumber#	4
	Add several family numbers	#06#FamilyNumber1# ...#FamilyNumber4#	5
	Delete a family number	#113#FamilyNumber#	6
	Delete several family numbers simultaneously	#113#FamilyNumber1#… #FamilyNumber4#	7
	Delete all family numbers	#113#	8
	Change the password	#04#Oldpassword# Newpassword#	9
Switching on/ off output manually	Master user switches on the socket output manually	#01#	10
	Master user cuts off the socket output manually	#02#	11
	Family user switches on the socket output manually	#01#Password#	12
	Family user cuts off the socket output manually	#02#Password#	13
	Enable switching on/off the output by calling	#18#1#	14
	Disable switching on/ off the output by calling (Default)	#18#0#	15

Category	Function	Command	
Delay control	Delay switching on the output after a certain minutes	138#1#Minutes#	16
	Delay switching off the output after a certain minutes	#138#0#Minutes#	17
Timing control	Enable timing switch on the output	#128#1#	18
	Set time period to switch on the output	#129#WorkDay# StartTime#EndTime# StartTime#EndTime# StartTime#EndTime#	19
	Disable timing switch on the output	#128#0#	20
Temperature control	Enable auto-control the output by temperature	#159#1#	21
	Set temperature range to switch on/off the output	#159#Mode# LowTemp#HighTemp#	22
	Disable auto-control the output by temperature	#159#0#	23
Over-temperature alarm	Enable the over-temperature alarm	#170#1#	24
	Set limits of temperature	#170#MinTemp#MaxTemp#	25
	Disable the over-temperature alarm	#170#0#	26
Temperature rapid-changing alarm	Enable the temperature rapid-changing alarm	#160#1#	27
	Set time period and temperature changing value	#160#Temp#Time#	28
	Disable the temperature rapid-changing alarm	#160#0#	29

Category	Function	Command	
SMS notification	SMS notification upon the socket output changing (Default)	#11#1#	30
	No SMS notification upon the socket output changing	#11#0#	31
	SMS notification upon the power supply changing (Default)	#12#1#	32
	No SMS notification upon the power supply changing	#12#0#	33
“Beep” warning tone	Enable the “Beep” warning tone	#19#1#	34
	Disaable the “Beep” warning tone (Default)	#19#0#	35
Check status	Check socket operating status	#07#	36
	Check Socket output status	#000#	37
	Check “Delayed switch on/off the socket” parameters	#138#	38
	Check “Timed switch on the socket” parameters	#128#v	39
	Check “Temperature control” parameters	#159#	40
	Check “temperature rapid-changing alarm” parameters	#160#	41
	Check “over-temperature alarm” parameters	#170#	42
Reset to factory settings	Reset the socket	#08#	43

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