G.S.M ACTIVATE

GSM 2G/3G
MULTI SWITCH
12v

Activate devices with your mobile phone.

Call & Text activation, switch and timer mode

www.gsm-activate.co.uk

MODEL NUMBER 3GV4SW-12V

Product Information

Our 2G/3G GSM Multi Switch is designed to attach to your electronic devices enabling you to activate them using your mobile phone from anywhere in the world.

This can prove to be very useful in a variety of situations. Just simply dial the unit which comes with a free simcard and it will turn the device on or off. Alternatively, you can text it how long you would like the device on for ranging from 1 - 999 seconds or minutes. Once you have sent a command, the device will send an acknowledgement back by text message so you know it has taken your command.
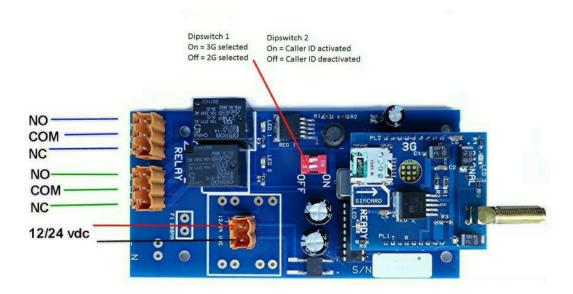
Our GSM 2G/3G Multi Switch is set apart from other models on the market by being on the quadband frequency, this means it can be used worldwide and we frequently ship models all over Europe, USA and Australia with excellent feedback.

The unit is also enclosed in a IP65 rated box which means it is perfectly weathered for outside installation and has also passed testing in high temperatures and below freezing conditions.

Specification

- The GSM Switch has been designed to operate electric equipment by using your mobile phone or land line as the controller.
- It is very easy to install and operates with no complicated coding required, just in plug and go.
- GSM Frequency: Quad band freq 850/900/1800/1900/2100 MHz.
- Micro 2G or 3G simcard
- Simply dial or text the simcard number to operate the relay.
- If you call the unit it will reject the call so you are not charged.
- You will receive a text acknowledgement to say relay on or off.
- INPUT - 240vac(12/24vdc & 115VAC is available)
- 2x Output Relay - 10 AMP N/O or N/C Volt free.
- Phone list for added security of up to 60 stored numbers.
- You can set the timer for 1 - 999 minutes
- Pulse Function for both relays.
- Sim Active Function.
- Dimensions - L150 x W90 x H45mm
- Dimensions PCB Only - L125 x W67mm
- Dimensions - L150 xW90 xH45mm
- Operating Temperature: -10...+40°C
- Relay State Report for both relays.
- Text for signal strength.

INSTRUCTIONS

Dipswitch 1
On = 3G selected
Off = 2G selected

Dipswitch 2
On = Caller ID activated
Off = Caller ID deactivated

Slide the simcard into the holder making sure that the clipped corner of the simcard lines up with the clipped corner of the simcard holder.

IMPORTANT- PLEASE READ
PLEASE MAKE SURE YOU DISCONNECT THE POWER WHEN YOU FIT THE SIMCARD AND YOU PLACE THE SIMCARD WITH THE CLIPPED CORNER AS SHOWN IN THE PICTURE ABOVE.

Powering GSM Switch

Connect 240 volts to the input connector as per figure 1. Once power has been applied the blue network LED light will flash once every second. Once a signal has been found the green LED will come on and stay on indicating the unit is now ready for use.

Signal Strength

To check the strength of the signal received please send a text message **#signal** to the simcard number placed in the switch unit. The unit will reply back with a score from 1 - 30. The unit must have a score of at least 10 to work effectively.

2G OR 3G

The gsm 2G/3G Multi Switch can work on both the 2G and 3G networks. You can choose which network the unit will use at the start up via Dipswitch setting 1

Dipswitch 1 OFF   - The unit will search for a 2G Network signal
Dipswitch 1 ON   - The unit will search for a 3G Network signal

Please Note - This is not applicable for the 2G version

PLEASE NOTE

We strongly recommend checking the signal strength on both 2G and 3G and using which has the highest signal strength score. The signal strength should be at least a score of at least 10 for reliability.

How to program the Multi Function Switch

Once the unit has a green light it is ready to be used. The unit can be set by switching dipswitch 2 to ON so only authorised numbers you store can activate the unit. If dipswitch 2 is left OFF anyone phoning the units number can operate the relays.

If you do not require authorised users please skip to the next page

HOW TO USE THE MULTI FUNCTION SWITCH

To program a number to the caller ID (whl) list you will need to send a text message code:

#WHL#NUMBER#

To delete the number send a text message code:

#DEL#NUMBER#

Example   #WHL#07123456789#   To store you mobile number. (Maximum 60 users)
Example   #DEL#07123456789#   To delete mobile number.

If the code is accepted the unit will reply "WHL number stored" or "WHL number deleted"

Once the numbers have been programmed please set dispwitch 2 to the ON position

PLEASE NOTE

YOU CAN ONLY SEND ONE NUMBER AT A TIME. PLEASE SEND THE MESSAGE AND WAIT FOR THE MULTI SWITCH TO SEND YOU BACK A TEXT ACKNOWLEDGEMENT "STORED" BEFORE YOU TRY TO ADD ANOTHER NUMBER VIA TEXT ENTRY

Please make sure you have credit on your simcard to receive the text acknowledgment. It may take some time to receive text acknowledgements depending upon how busy your telephone network is at the time.

Reset Function

For a quick reset and to clear all numbers there is a built in reset function that is triggered via sending an sms/text message.

Send a text message (#reset#) to the unit
The unit will then remove all WHL numbers stored.

Please only use this function is completely necessary.

How to use the Multi Function Switch

Call Mode: Relay 1 only

Using your mobile phone dial the simcard number. You will hear 1 ring tone. The unit will automatically hang up. This will prevent any call charges. Only relay 1 can be used by calling.

The relay will then turn <u>ON</u> and remain on.
You will receive a relay state report   REL1 ON   REL2 OFF

To turn the relay <u>OFF</u> just ring the simcard number again.
You will receive a relay state report   REL1 OFF   REL2 OFF

You can turn off the relay state report by using the text command #STATE=OFF#
You can turn on the relay state report by using the text command #STATE=ON#
The default setting configuration is set to relay state report on

Text Mode: Relay 1 & 2

By texting the unit you can turn relay 1 & 2 on or off individually. Below are examples on how to do this.

#REL1=ON#   This will turn on relay 1
#REL1=OFF#   This will turn off relay 1
#REL2=ON#   This will turn on relay 2
#REL2=OFF#   This will turn off relay 2

It is possible to pulse relay 1 & 2 for a period of 10 seconds you will need to send a text as follows.

#PULSE=1#   This will turn on relay 1 for 10 seconds only.
#PULSE=2#   This will turn on relay 2 for 10 seconds only.

Timer Mode: Relay 2 only

It is possible to turn the relay 2 ON for a period of time 1 minute to a maximum 999 minutes.
You will need to text the message **#MIN=** followed by the number of minutes you require and then hash.

Example   #MIN=001#   this will turn on the relay for 1 minute.
Example   #MIN=060#   this will turn on the relay for 60 minutes.
Example   #MIN=120#   this will turn on the relay for 120 minutes.

The maximum number of minutes is 999.

You will receive a text acknowledgment "TIMER SET"

The timer will stay on for the preset time and then turn itself off. If you wish to cancel the timer before the preset time has expired you can do this by texting #MIN=000 this will cancel the time.

Relay Memory

In the event of a power loss the switch can remember the relay positions for when power has been restored, please send the text command

#RELMEM=ON#   The unit will remember relay status in event of power failure
#RELMEM=OFF#   The unit will not remember relay status and power on with both relays set to off.

The default setting is Relay Memory OFF

RELAY STATE REPORT

It is possible to obtain a relay state report at any time. This will give you the position of the relays. To do this you will need to send a text. #REL=STATE#

Please Note:

The unit has a "sim active" function which monitors the activity on the simcard. If it has been inactive for 6 weeks, it will send an automatic text to a pre-recorded number. This will then eliminate the problem of your sim getting shut down if they are unused for 3 months.

New SIM cards will need registering before they can be used. Full details of how this is done can normally be found in the SIM card pack. It will normally require that the SIM card is inserted into a mobile phone, a number dialled and instructions followed. While the SIM is in the mobile phone it would be a good time to disable any PIN codes, call diverts, ring back and disable features such as voicemail and text alerts. Details of how to do this can be found on the SIM card provider's web site or by calling their customer services. Please use one of the following SIM card providers - Vodafone, TMobile, O2 or Orange.

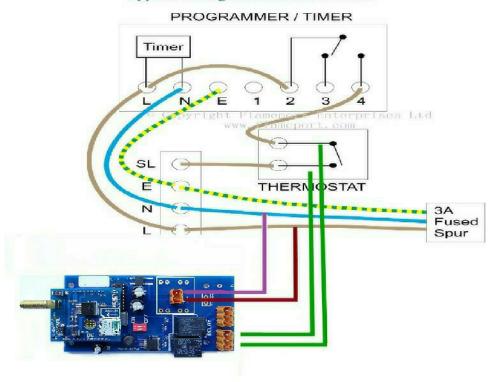**Please Note -** Currently not suitable with the network provider "three"

QUICK PROGRAMMING COMMANDS

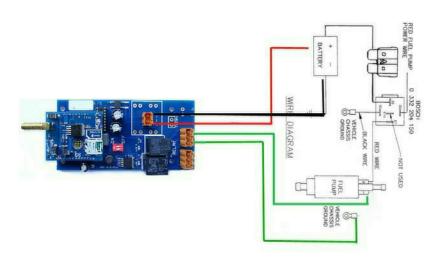| Send Text	Operation	Acknowledgment
#REL1=ON#	Turn Relay 1 On	Status Report - Relay 1 On/Off Relay 2 On/Off
#REL1=OFF#	Turn Relay 1 Off	Status Report - Relay 1 On/Off Relay 2 On/Off
#REL2=ON#	Turn Relay 2 On	Status Report - Relay 1 On/Off Relay 2 On/Off
#REL2=OFF#	Turn Relay 2 Off	Status Report - Relay 1 On/Off Relay 2 On/Off
#PULSE=1#	Pulse Relay 1	Relay 1 Pulse
#PULSE=2#	Pulse Relay 2	Relay 2 Pulse
#REL=STATE#	Gives Relay State Report	Status Report - Relay 1 On/Off Relay 2 On/Off
#MIN=000#	Turns Relay 1 on for 1 - 999 minutes	Timer Set and Timer End when Finished
#WHL#NUMBER#	Stores Number to White List	Number Stored
#DEL#NUMBER#	Deletes Number from White List	Number Delete
#RELMEM=ON#	Turns Relay Memory On	Memory On
#RELMEM=OFF#	Turns Relay Memory Off	Memory Off
#STATE=ON#	Turns Relay State Report On	Relay State (default on)
#STATE=OFF#	Turns Relay State Report Off	Relay State
#RESET#	Clears all numbers from White List	
#SIGNAL#	Gives a Signal Strength Test	score of 1 - 30

RELAY STATE REPORT IS THE STATUS OF **BOTH** RELAYS i.e.

REL 1 OFF   =   REL 2 OFF
REL 1 ON   =   REL 2 OFF
REL 1 OFF   =   REL 2 ON
REL 1 ON   =   REL 2 ON

Typical wiring connections for boiler

PROGRAMMER / TIMER

Timer

L N E 1 2 3 4

© Copyright Flameport Enterprises Ltd
www.flameport.com

SL
E
N
L

THERMOSTAT

3A
Fused
Spur

Typical wiring connections for pump   12 volt dc model

BATTERY

RED FUEL PUMP
POWER WIRE

BOSCH
0 332 204 150

WIRE DIAGRAM

VEHICLE
CHASSIS
GROUND

BLACK WIRE

RED WIRE

NOT USED

FUEL
PUMP

VEHICLE
CHASSIS
GROUND

For more technical support please browse the FAQ's on our website www.gsm-activate.co.uk
Alternatively email our technical support team at technical@gsm-activate.co.uk and we will
do our best to reply within 24 hours Monday - Friday.