



## **GSM 240V MULTI SWITCH**

Activate devices with your mobile phone

Call & Text activation, switch and timer mode

**[www.gsm-activate.co.uk](http://www.gsm-activate.co.uk)**



MODEL NUMBER SWV3

## **Product Information**

Our 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 or 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 so you know it has taken your command.

Our GSM Multi Switch is set apart from other models on the market by being quad band frequency, meaning 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 passed testing in high temperatures and below freezing conditions.

## **Specification**

- The GSM switch model has been designed to operate electric equipment by using your mobile phone or land line.
- It is very easy to install and operate with no complicated coding required, just in plug and go.
- 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 80 stored numbers.
- You can set the timer for seconds or minutes. (max 999 minutes)
- Pulse Function for both relays.
- Sim Active Function.
- Dimensions - L150 x W90 x H45mm
- Dimensions PCB Only - L125 x W67mm
- Quad band freq - 850, 900, 1800, 1900mhz
- Dimensions - L150 xW90 xH45mm
- Operating Temperature: -10...+40°C
- Status Report for both relays.
- Text for signal strength.

# INSTRUCTIONS

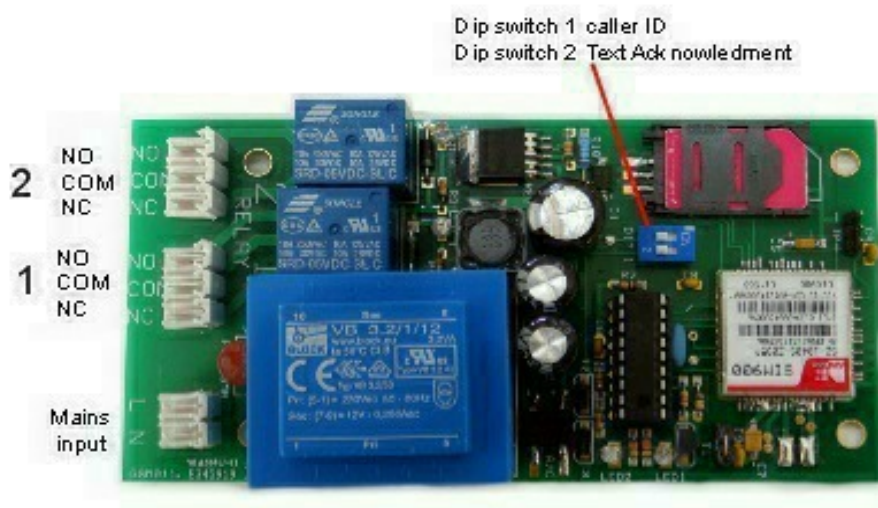


Fig 1

1. Slide back the sim door and lift it up
2. Slide the simcard into the door making sure that the clipped corner of the simcard lines up with the clipped corner of the simcard holder
3. Close the sim door
4. Slide the sim door to lock the simcard in place

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When you first switch the unit on, the red and blue led will come on for 3 seconds. The blue led will then go out leaving just the red led on. When the unit finds a signal the red led will go out and the blue will come on and must stay on before you can operate the unit.

**Fig 1:**

## **IMPORTANT- PLEASE READ**

**PLEASE MAKE SURE YOU DISCONNECT THE POWER WHEN YU FIT THE SIMCARD AND YOU PLACE THE SIMCARD WITH THE CLIPPED CORNER FACING OUTWARDS. PLEASE SEE PICTURE ABOVE.**

This model is also available with a 12 volt VDC input.

- 1: First you must register and put credit on your simcard, please follow the instructions given with your simcard.
- 2: Insert the simcard into a mobile phone and disable the voicemail using the codes below.

Vodafone:	call 1210	Tesco	call 2915
T-Mobile:	call 222	O2	call 1760
Orange:	call 4502	Giff Gaff	call 1626

- 3: Please refer to steps in Fig 1 Above

# How to program the Multi Function Switch

## TEXT MESSAGE ENTRY

You must first enter the telephone numbers that are authorized to use the Multi Switch. If you do not require authorized numbers turn dip switch 1 to off position. (Ref FIG 1) This will allow all incoming calls to operate the unit. After inserting your simcard into the Multi Switch, turn on the unit and wait until you receive a steady blue light this will indicate that you have a mobile signal.

You will now need to send a text with the contact numbers.

Example: (Hash) (01 to 80) (Star) (phone number) (star)

### **Note:**

To avoid confusion we have colour coded the hash (#) and the star (\*) symbols.

#01*01798123456*	Then send this as a text to the simcard
# * " " *	You can only send one text at a time
#80*01798898765*	Max 80 numbers

**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**

If you wish to cancel a number follow this example.

(Hash) (01 to 80) (Star) (Star)

#01\*\* Then send this as a text to the simcard.

Below is a notepad to help you remember the numbers that you have saved to your simcard in the event you need to modify or delete in the future.

#01* _____ *	#06* _____ *
#02* _____ *	#07* _____ *
#03* _____ *	#08* _____ *
#04* _____ *	#09* _____ *
#05* _____ *	#10* _____ *

If you do not need authorized numbers you can turn **Dip switch 1** to off **CALL ID** as in **fig.1**.

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

## 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 on and remain on.

You will receive a status report **REL1 ON REL2 OFF**

To turn the relay off just ring the simcard number again.

You will receive a status report **REL1 OFF REL2 OFF**

### 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.

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 **#REL2=OFF** this will cancel the time.

Please make sure you have credit on your simcard and that Dipswitch 2 is in the **ON** position to receive text acknowledgement.

## STATUS REPORT

It is possible to obtain a status report at any time, this will give you the position of the relays. To do this you will need to send a text. **#STATUS**

## SIGNAL STRENGTH

To help make sure that you place the unit in a suitable position you can text the unit to see how much signal strength you have by texting **#SS** This will indicate the signal strength. You will receive a text telling you if it is **GOOD, AVERAGE** or **POOR**. We **strongly** recommend that you place the unit where you can get at least an average signal strength.

You will find that with a poor signal it will be **unreliable and is not suitable**.

### Note

The unit has a "sim active" function which monitors the activity on the simcard and if it has been inactive for 6 weeks, it sends a text out to a pre-recorded number. This will then eliminate the problem of sim's 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).

**Note** Not suitable for network provider "three"

### QUICK REFERENCE

### OPERATION

### ACKNOWLEDGEMENT

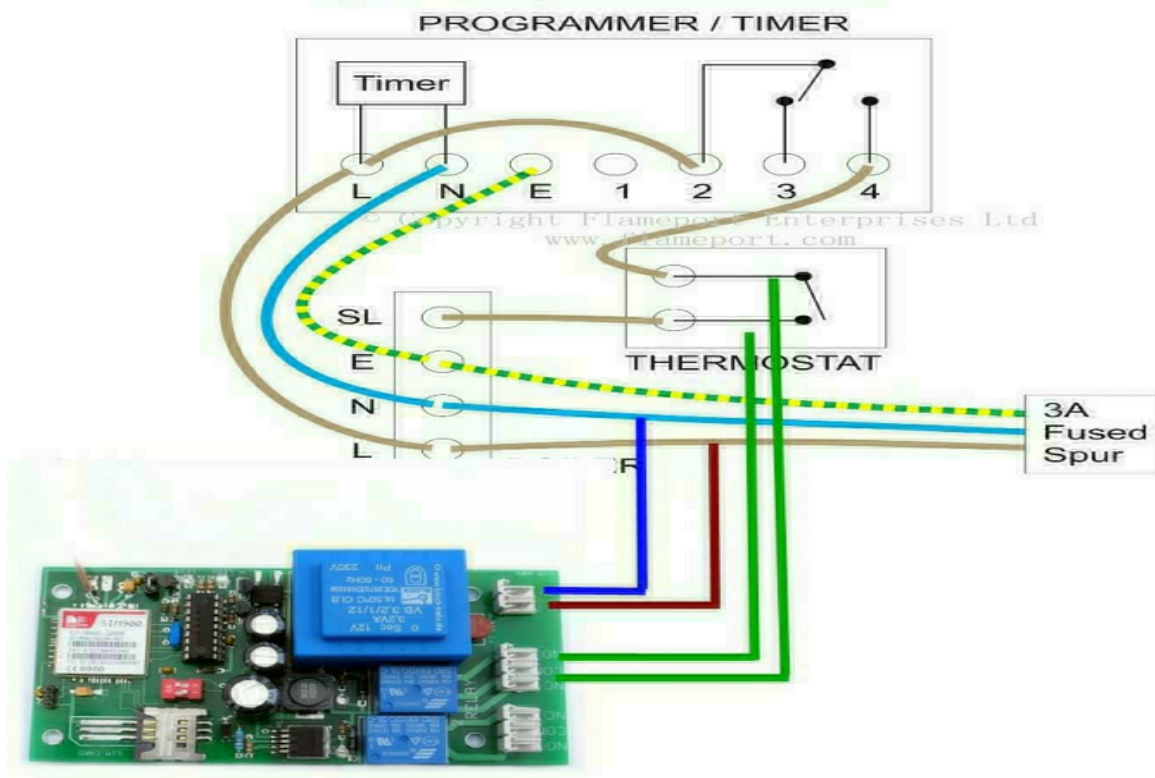
<b>#MIN=001 to 999</b>	SET TIMER	TIMER SET
<b>#PULSE=1</b>	PULSE RELAY 1	PULSE REL1
<b>#PULSE=2</b>	PULSE RELAY 2	PULSE REL2
<b>#REL1=ON</b>	TURN ON RELAY 1	STATUS REPORT
<b>#REL1=OFF</b>	TURN OFF RELAY 1	STATUS REPORT
<b>#REL2=ON</b>	TURN ON RELAY 2	STATUS REPORT
<b>#REL2=OFF</b>	TURN OFF RELAY 2	STATUS REPORT
<b>#STATUS</b>	RELAYS POSITION	STATUS REPORT
<b>#SS</b>	SIGNAL STRENGTH	GOOD, AVERAGE ,POOR
<b>#01 to 80**</b>	CANCEL ID NUMBER	DELETED NUMBER
<b>#01 to 80*NUMBER*</b>	STORE ID NUMBER	STORED +NUMBER

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

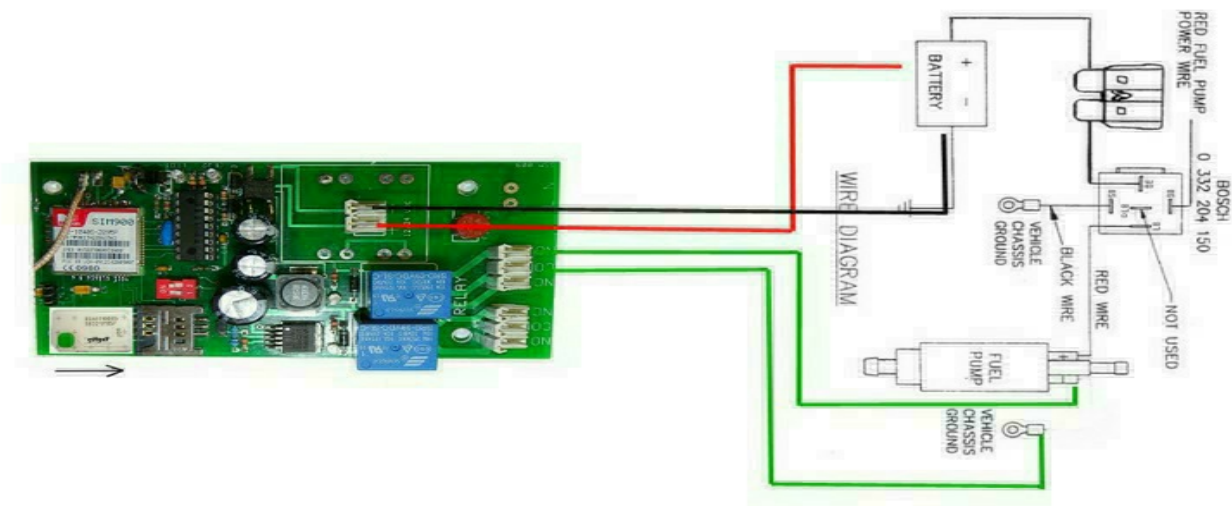
REL 1 OFF == REL 2 OFF  
REL 1 ON == REL 2 OFF  
REL 1 OFF == REL 2 ON  
REL 1 ON == REL 2 ON



## Typical wiring connections for boiler



## Typical wiring connections for pump 12 volt dc model



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