



GSM AUTO DIALER

Remote Monitoring & Control using your mobile phone

www.gsm-activate.co.uk



Product Information

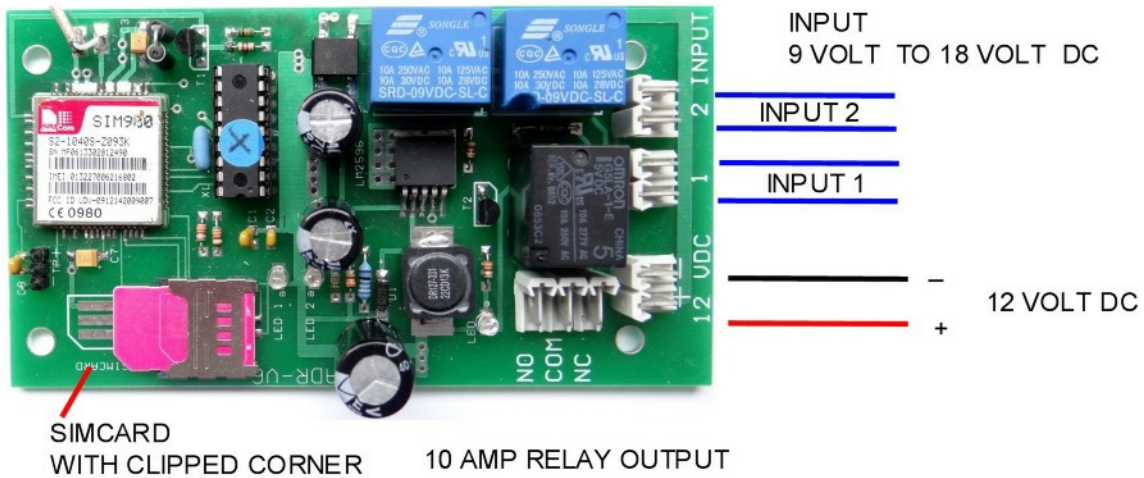
Our GSM Auto-Dialer is a versatile unit which can be attached to many of your electronic devices in your homes, work, gardens or wherever you need it and it will alert you using GSM technology and send you a text message or call you straight to your mobile phone or landline so you know straight away if there is any problem/failure/status change wherever you are in the world!

By having both inputs and outputs you can set the unit up so that you can send a command back e.g. you get a text saying your fire alarm has gone off and then you can text back to switch it off using your phone, to the side is a list of typical applications of the device although you might use it for something different!

Our GSM Auto-dialer 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 temperature and below freezing conditions.

- ▣ GSM Frequency: Quad band freq 850/900/1800/1900 MHz
- ▣ Power Supply Voltage: 9 - 24Vdc 1Amp max
- ▣ Current used in standby mode: 25mA max
- ▣ IP 65 Enclosure rating for outside installation
- ▣ 2 inputs (Negative or Positive triggered)
- ▣ 10 Amp Relay output
- ▣ Standard 2G simcard
- ▣ No Landline Required
- ▣ Dimensions L150 xW90 xH45mm
- ▣ Dimensions PCB only L125 x W67 mm
- ▣ Operating Temperature: -10...+40°C
- ▣ Auto reset
- ▣ INPUT 1: SMS Text Alert MAX 3 numbers
- ▣ INPUT 2: Dial Out Alert MAX 3 numbers
- ▣ Text for signal strength
- ▣ Stay Active Sim Function
- ▣ Programme Simcard Manually or by Text

INSTRUCTIONS



1: Slide the simcard in to the door making sure that the clipped corner of the simcard lines up with the clipped corner of the simcard holder.

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.

IMPORTANT PLEASE READ

PLEASE MAKE SURE YOU DISCONNECT THE POWER WHEN INSERTING THE SIMCARD AND THAT YOU PLACE THE SIMCARD WITH THE CLIPPED CORNER FACING OUT WARDS PLEASE LOOK AT PICTURE ABOVE.

How does the auto-dialer work?

The GSM network is used for the transmission of text messages for locations where transmission is not possible via fixed telephone lines. It has 2 alarm inputs and one 10 Amp Relay output.

When an input is activated The **Blue Led** will flash 6x times.

INPUT 1: when activated will automatically send a text message to 3 pre-programmed numbers that you have programmed to your Simcard, the text message will say (Alarm 1).

INPUT 2: when activated will automatically Dial out the 3 pre-programmed numbers that you have programmed to your Simcard. After dialling the numbers it will hang up after 6 ring tones.



AUTO RESET

This will happen automatically, when the input voltage is removed.

How to program the auto-dialer

This unit has been designed to make operating as simple as possible, we have two ways to program your simcard either text or manual entry, please use one method only.

Text Entry

By inserting your simcard into the auto-dialer, 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 number

Note:

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

Example: (hash) (1 or 2 or 3) (star) (phone number) (star)

#1*01798123456* then send this as a text to the simcard

#2*01798103456* then send this as a text to the simcard

#3*01798333456* then send this as a text to the simcard

If you wish to cancel a number follow this example

Example: (hash) (1 or 2 or 3) (star) (star)

#1** then send this as a text to the simcard

PLEASE SEND ONE MESSAGE AT A TIME AND WAIT FOR THE AUTO DIALER TO SEND YOU BACK A TEXT ACKNOWLEDGEMENT "STORED" BEFORE YOU TRY TO ADD ANOTHER NUMBER VIA TEXT ENTRY

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.

#1* _____ *

#2* _____ *

#3* _____ *

Manual Entry

- 1: Place your simcard into a mobile phone.
- 2: scroll down to contacts.
- 3: Now enter the contact name, which must be prefixed by **#1=**
Name
- 4: Scroll down to contact number, enter the phone number.
- 5: Save to the **simcard not** to the phone memory. Ref to page 4
- 6: Repeat the above upto max 3 numbers.
- 7: Now place the simcard into the auto-dialer.

Example: Contact name **#1=JANE**
 Contact number **01798865555**

Example: Contact name **#2=John**
 Contact number **07654325555**

Example: Contact name **#3= David**
 Contact number **02081215555**

The first text will be sent to **#1,** **#2,** **#3,** in that order.

This is only a guide please refer to your phone manual.

We do sell a simcard manager which allows you to manage your simcard through your PC and it comes with prepackaged with manual and installation CD, please take a look at www.gsm-activate.co.uk

Now you have the simcard programmed, if input 1 or 2 has been triggered you will receive a text message to say alarm 1

If input 2 has been triggered you will receive a call, after six ring tones the call will automatically hang up, you do not need to answer the call

RELAY OUTPUT:

To turn ON the relay all you need to do is send text message **#ON**
To turn OFF the relay all you need to do is send text message **#OFF**
You can turn on the relay for 7sec to do this just send a text message **#PULSE** this is useful if you need to reset some external equipment.
The relay has 10Amp contacts COM = common N/O = normally open N/C = normally closed.

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's **GOOD ,AVERAGE, POOR**. We **strongly** recommend that you place the unit where you can get at least average signal strength You will find that with a poor signal it will be **unreliable and is not suitable**. (a 3 metre signal booster cable is available from the www.gsm-activate.co.uk)

Note

Please make sure you have credit on your simcard to receive text Acknowledgment.

It may take a time to send or receive a text acknowledgement this depends upon how busy your telephone network is at the time.

The auto dialer has a built in "sim active function" which keeps track Of the unit's activity and if there has been no usage for 6 weeks it will send out a text message to a preset recorded number to keep the simcard alive, this then eliminates the problems of sims being 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 is 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/Giff Gaff or Orange). We do not recommend using **3** at this present time

Typical application:

- ▣ Security Alarm Systems
- ▣ Supervision / Monitoring Systems
- ▣ Vending Machine Security
- ▣ Pumping Stations, Tanks, Oil and Water Levels
- ▣ Buildings and Real Estate
- ▣ Weather Stations
- ▣ River Monitoring & Flood Control
- ▣ Fridges / Freezers
- ▣ Fish Tanks & Tropical Tanks
- ▣ Farming Machinery / Monitoring
- ▣ Car Alarm Systems
- ▣ Mains Failure
- ▣ Electric Fence Energizers
- ▣ Portable 12VDC Systems
- ▣ Floodlights
- ▣ Motor Overload

Quick reference

Send Text

#ON

#OFF

#PULSE

#SS

#1*number*

#1**

Operation

Turn Relay on

Turn Relay off

Pulse the relay for 7sec

Check signal strength

To Store Number

To Delete

Acknowledgment

Relay on

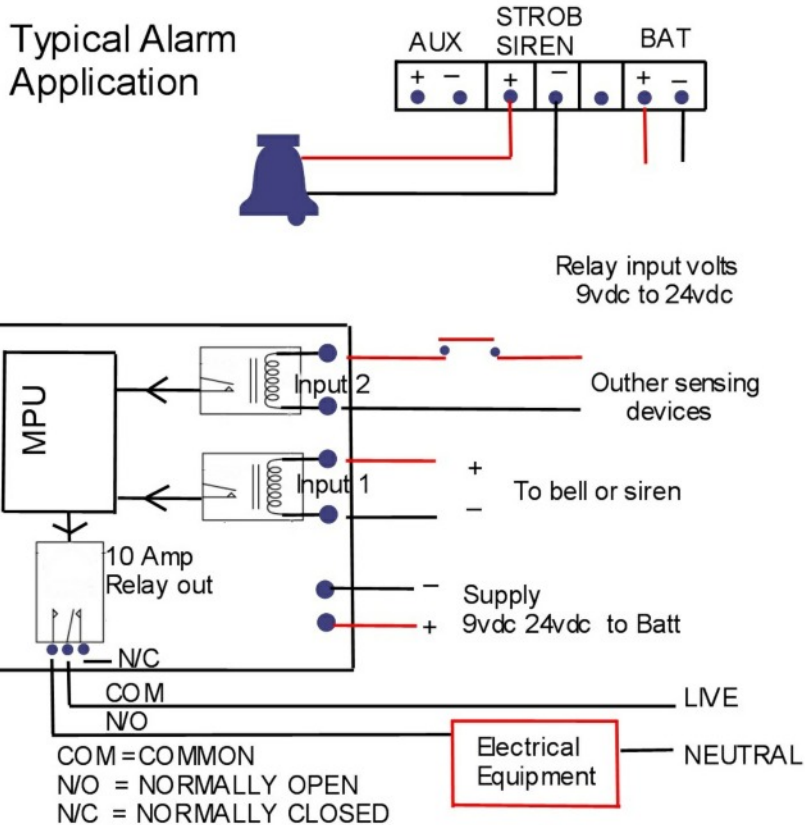
Relay off

Pulse

Good, Ave, Poor

Stored

Stored



Input 1+2

As you can see in the circuit diagram above, the inputs are relays and can be activated by supplying 9v to 24v volts across the input terminals this will activate the input.

Relay output

The relay has Common, Normally open, Normally closed, contacts which are capable of 10 Amp loads. This is suitable for turning on/off electrical equipment. Or it can be used for resetting your alarm system.

For more technical information please contact us, we offer full pre and post sales support or browse the FAQ's section on <http://www.gsm-activate.co.uk>

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