#### **MyGSM** installation manual





# GSM MONITORING AND SWITCHING DEVICE



Competent after-sales technical support



100%

testing of

products

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## Icons used in this manual



This icon indicates tips and other information that could be useful during the installation.

This icon denotes variations and other aspects that should be considered during installation.



This icon indicates warning, caution or attention! Please take special note of critical aspects that MUST be adhered to in order to prevent injury.

# **Mechanical setup**

These abbreviated instructions are for the experienced installer who needs a checklist to get a standard installation up and running in the minimum of time.

Detailed installation features and functions are referred to later in this manual.



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Gather required tools and equipment page 11

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Mount the	unit housing	page 11

Insert the SIM card page 12



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- Detect the GSM signal page 15
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# **Electrical setup**



Connect all wiring

page 16

# Commissioning and handover



Carry out professional handover to client

page 52



# **IMPORTANT** Safety Instructions

## ATTENTION

To ensure the safety of people, it is important that you read all the following instructions. Incorrect installation or incorrect use of the product could cause serious harm to people.

The installer, being either professional or DIY, is the last person on the site who can ensure that the operator is safely installed, and that the whole system can be operated safely.

## Warnings for the installer

**CAREFULLY READ AND FOLLOW ALL INSTRUCTIONS** before beginning to install the product.

- All installation, repair, and service work to this product must be carried out by a suitably qualified person
- Secure all easily-accessed controls in order to prevent unauthorised use of the the device
- Do not in any way modify the components of the MyGSM unit
- Do not install the **MyGSM** unit in an explosive atmosphere: the presence of flammable gasses or fumes is a serious danger to safety
- Before attempting to install the unit, cut electrical power to the control box where the MyGSM unit will be mounted
- Make sure that the earthing system is correctly constructed, and that all metal parts of the system are suitably earthed
- Explain these safety instructions to all persons authorised to use **MyGSM**, and be sure that they understand the hazards associated with **MyGSM** system
- Do not leave packing materials (plastic, polystyrene, etc.) within reach of children as such materials are potential sources of danger
- Dispose of all waste products like packaging materials, worn out batteries, etc. according to local regulations
- Centurion Systems does not accept any liability caused by improper use of the product, or for use other than that for which the automated system was intended
- This product was designed and built strictly for the use indicated in this documentation. Any other use, not

expressly indicated here, could compromise the service life/operation of the product and/or be a source of danger

Everything not expressly specified in these instructions is not permitted.



# 1. Declaration of conformity

Please note that this page has been left blank intentionally, and will be updated in the near future

## 2. General description

The **MyGSM** range of GSM (Global System for Mobile Communication) modules allows up to 5000 individual users to activate a maximum of eight outputs (depending on model) using their mobile phones or landlines. These outputs can be used to open a gate, activate an alarm system, turn on a borehole pump, etc. Activation can be either via a missed call (no charge), 'Please Call Me' (no charge) or a pre-specified text message (SMS)(Short Message Service). In addition, users can be notified by SMS, of the activation of any of the inputs on the module, in the event of an alarm activation, a power failure etc, with up to ten numbers per input that can receive notifications. The unit can also be configured to initiate missed calls or via 'Please Call Me' or missed call to users when the inputs are activated, a highly beneficial feature since the transaction carriers no cost.



Functionality may vary according to user profile

**MyGSM** offers an optional online interface through which an unlimited number of modules can be easily added and administered. The online portal, **www.MyGSM.co.za**, allows for the configuration of several advanced features such as access time management and activation programming. These and related features will be discussed in further detail in the section on the web portal.

The **MyGSM** range of GSM modules uses the GSM mobile phone network to enable remote control and monitoring between itself and up to 5000 users via their mobile phones. A valid, and activated, SIM(Subscriber Identity Module) card is required in order to use the module on the GSM network.

When programming the  $\ensuremath{\textbf{MyGSM}}$  device, each user's phone number can be set to:

- · Activate a specified output/s with a missed call
- Activate any of the outputs via a unique, user-defined SMS
- Activate any of the outputs via a 'Please Call Me'
- Up to ten users per input can be notified by a unique, user-defined SMS, 'missed call' or 'Please Call Me' of any of the inputs being activated
  - Programming of the module is secure via a user-defined "master number"
  - All users calling or sending an SMS to the module need to ensure that their Caller Line Identification Presentation (CLIP) is activated on their phone to ensure that the module recognises the user's learned-in phone number
  - If a contract SIM card is being used in the module itself, CLIP must also be enabled on that SIM card. (This can be done by first inserting the SIM card into a mobile phone and enabling CLIP)
  - Ensure that the SIM card in the GSM module does not have "Call Forwarding" enabled
  - The SIM card in the GSM module must have the PIN (Personal Identification Number) code disabled
  - The MyGSM 2120 model requires a power supply of 9V to 12V DC, and the MyGSM 8180 model requires a power supply of 12V to 24V DC
  - The outputs are potential-free, and rated to 1A to 30V DC
  - Both normally-open and normally-closed contacts are provided
  - Inputs can be configured to either switch to positive or negative, or both



It is strongly advised that a pre-paid SIM card (with limited airtime) is used, and that it is also password-protected. These measures will give you peace of mind as they will ensure that your SIM card will have little or no value should it ever get stolen.

# 3. Specifications

### **Physical dimensions**



FIGURE 1. OVERALL DIMENSIONS OF MyGSM 8180



FIGURE 2. OVERALL DIMENSIONS OF MyGSM 2120

## **Technical specifications**

Physical	MyGSM 2I2O	MyGSM 8I8O
Supply voltage	9V - 12V DC only	12V - 24V DC only
Standby current	85mA	50mA @ 12V DC
Maximum current	500mA	500mA
Operating temperature	-20°C - +85°C	-20°C - +85°C
Output relay rating	1A @ 30V DC (outputs 1 and 2)	1A @ 30V DC (outputs 1 to 8)
Housing material	ABS	ABS (DIN rail mounting)
Degree of protection	IP54	IP54
Functional	MyGSM 2I2O	MyGSM 8I8O
Memory capacity	5000 individual numbers	5000 individual numbers
Memory retention	>200 years	>200 years
Output pulse time range	Two seconds or latch	Two seconds or latch
Network required	GSM 900/1800MHz	GSM 900/1800MHz
SIM card required	Yes (activated)	Yes (activated) Dual SIM card capacity
Outputs	Two (potential-free)	Eight (potential-free)
Inputs	Two (optically isolated) ten numbers per input can receive reports	Eight (optically isolated) ten numbers per input can receive reports

## 4. Product identification



FIGURE 3. MyGSM 2I2O PRODUCT IDENTIFICATION

- 1. 12V DC input terminals
- 2. Terminals
- 3. Relays
- 4. Normal/USB programming jumper
- 5. USB programming port
- 6. SIM card inside SIM card holder
- 7. Coin cell battery
- 8. SMA Antenna connector

- 9. IMEI(International Mobile Station
- | Equipment Identity number
- 10. Signal strength indicator LEDs/status LEDs
- 11. Query signal strength button
- 12. Dipswitches
  - (must all be in off position)



FIGURE 4. MyGSM 8180 PRODUCT IDENTIFICATION

- 1. Terminals
- 2. SMA antenna connector
- 3. IMEI number
- 4. GSM network LED
- 5. Query signal strength button
- 6. Signal strength indicator LEDs/status LEDs
- 7. Slave SIM card holder

- 8. Relay
- 9. Coin cell Battery
- 10. Dipswitches (must all be in off position)
- 11. USB programming port
- 12. Master SIM card holder

## 5. Required tools and equipment

- Screwdriver 3.5mm flat
- Side cutter
- Drill bits 5mm masonry; 6mm drill bit
- Silicone sealant
- Fasteners and rawl plugs

**6.** Preparation of site

#### General considerations for the installation

- The housing of the **MyGSM** module is IP54 rated, which means that it is protected against water splashed from all sides and fine desert sand
- The unit can be mounted inside the housing of the device that it is operating, such as the gate motor if the GSM network signal is adequate
- If mounting the **MyGSM** externally, give consideration to its location as it should not be within reach of unauthorised persons



A weatherproof wall box made from durable ABS plastic is available from Centurion Systems and includes a mounting bracket suitable for both the **MyGSM 2120** and **MyGSM 8180** models, as well as mounting holes for fitting relay cards.

## 7. Mounting instructions

#### Mounting MyGSM 2I2O



The housing of the **MyGSM 2I2O** unit can either be mounted externally in order to pick up the maximum GSM network signal or it can be mounted inside the housing of the device that it is operating, such as the gate motor, if the GSM network signal is adequate.

 Separate the two halves of the enclosure, remove the PC board and place the two halves together again before starting to drill the cable entry hole.



The two halves of the enclosure must be pressed together firmly while drilling so as to avoid damaging it.

 Using a 20mm drill bit, drill a cable entry hole in the side of the enclosure as shown in Figure 5.



- 3. Drill a mounting hole in the centre of the enclosure base and mark position of the unit against the mounting surface.
- 4. Using a 5mm masonry bit, drill a hole into mounting surface.
- 5. Mount the unit using suitable fasteners as shown in Figure 6.



FIGURE 6.



If you are programming using the USB facility, the programming must be done before placing the PC board back in the enclosure.

- Connect the USB cable to the USB port as shown in Figure 7 and follow the programming instructions in Section 12.
- 7. Connect all the necessary wiring and the antenna.



#### Insert an activated SIM card

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Ensure that a SIM card going into the module for the first time is not PIN(Personal Identification Number)-protected. The SIM card holder is located on the underside of the module

- To insert a new SIM card, flip the module over so that the electronic components are facing downwards.
- Taking care to ensure that the SIM card's gold contact pads face the PC board, simply slot the card into the holder.
- 10. Correct insertion of the SIM card will result in an audible 'click' being heard.



FIGURE 7.

- 11. Using the supplied adhesive standoffs, mount the PC board onto the enclosure base already mounted.
- 12. Fit a cable gland into the cable entry hole and run the cables through the gland as shown in Figure 9.
- 13. Replace the cover of the enclosure and fasten using the screws supplied.



FIGURE 9.

#### Mounting MyGSM 8180



If you are programming using the USB facility, the programming must be done before placing the PC board back in the enclosure.

- 1. To remove the cover of the enclosure, insert screwdriver into slot and twist.
- 2. Remove the PC board from the enclosure to access the SIM card holder located on the underside of the module.

#### Insert an activated SIM card



FIGURE 10.

The **MyGSM 8180** module offers two SIM card holders, providing a backup facility should the Master SIM card be unable to obtain a GSM signal. The unit will first attempt to use the Master SIM card and, should no signal be present, it will attempt to use the Slave SIM card. However, it is possible to use a single SIM card should you not wish to make use of the backup facility'.



When one SIM card is used, always use the Master SIM card slot. Ensure that a SIM card that goes into the module for the first time is not PIN protected. The SIM card holder is located on the underside of the module: to insert a new SIM card:

- 3. Flip the module over so that the electronic components are facing downwards.
- Taking care to ensure that the SIM card's gold contact pads face the PC board, simply slot the card into the holder.
- 5. Correct insertion of the SIM card will result in an audible 'click' being heard.



- 6. Connect the USB cable onto the USB port as shown in Figure 12 and follow the programming instructions in Section 12.
- 7. Replace the module PC board in the enclosure base and replace the cover.



FIGURE 12.



FIGURE 13.

DIN-rail in the distribution box where the module will be housed as shown in Figure 13.

8. Slide the MyGSM 8I80 module onto the

9. Connect the antenna and all the necessary wiring.

The rear side of the antenna has a double-sided tape backing, which may be used to affix the antenna to a desirable location. Please ensure that the surface to which you affix the antenna is smooth, clean and dry, to ensure reliable adhesion

10. Power up the module, hold the antenna and locate a position where there is optimum GSM signal. Remove the adhesive cover at the back of the antenna and mount.



FIGURE 14.

## 8. GSM network signal detection

With the GSM module powered up, press and hold the signal strength button in order to query the amount of network coverage currently detected by the module. The GSM signal strength can be determined based upon the number of LEDs that illuminate, with each LED representing 20% of total signal strength.



FIGURE 15a. MyGSM 2I2O



FIGURE 15b. MyGSM 8I80



The GSM signal strength may be enhanced by repositioning the antenna. Ideally the antenna should be mounted externally, and away from any sensitive electrical components.

Illuminated LEDs	Signal strength
1	20%
2	40%
3	60%
4	80%
5	100%

## 9. Wiring diagrams

#### **MyGSM 2I20**



FIGURE 16. MyGSM 2I2O



FIGURE 17. MyGSM 2I2O CONNECTION TO D5-EVO



FIGURE 18. MyGSM 2120 CONNECTION TO A GEYSER

#### MyGSM 8I80



FIGURE 19. MyGSM 8I80

#### **MyGSM 8I80**



FIGURE 20. MyGSM 8180 CONNECTION TO A PUMP



FIGURE 21. MyGSM 8180 CONNECTION TO A WATER TANK WITH 3 FLOAT LEVELS

## **10. MyGSM configuration using SMS**



FIGURE 22

#### Multi-user Capability (5000 users)



It is important to note that the memory of the **MyGSM** GSM module (both models) is limited to 5000 mobile phone numbers. In other words a maximum of 5000 phone numbers can be registered on the system at any one time. Each phone number can be configured uniquely with respect to inputs and outputs, as well as activation and notification messages.

Each input can notify up to ten numbers either via SMS, 'missed call' or 'Please Call Me'.

#### Setting the Administrator Number

To maintain a high level of security, an 'Administrator Number' must be set, which will be the only number that can add and delete users, effect changes to the system's settings, etc. This command must be executed before the unit will accept any numbers.



This command does not add the number as an access number, but merely sets it as an Administrator capable of adding users and configuring the unit. To add it as an access number, refer to the next section, which provides an overview of the different commands.

- To set an 'Administrator Number', SMS the following command to the unit from the phone you wish to assign as an administrator: **SETADMIN**
- SMSing the command **CLRADMIN** to the unit deletes the current Administrator. The command must be sent from the current administrator's phone



Commands are **not** case sensitive

#### **Command overview**

Programming commands are sent to the module using a standard text message (SMS). The module can also be configured via the **www.MyGSM.co.za** web portal or via your computer's USB port and the **MyGSM** software, both of which will be discussed in the relevant sections.



All commands can only be sent from the administrator number.

	Description	Parameters
SETADMIN	Sets the 'Administrator Number' for the unit (must be done <b>before</b> any numbers can be added)	
CLRADMIN	Clears the current 'Administrator's Number' from the system memory. Must be sent from the current Administrator's phone	
ADD	Adds a new phone number to the system	Phone number(s) - up to 16 digits each
DELNUMBER	Deletes a number from the system's memory	Phone number - up to 16 digits
SETUNITNAME	Assigns a name to the GSM unit	Unit name - up to 15 characters
INPUTLIST	Requests a list of numbers assigned to a specific input	Input number (Either 1 - 2 or 1 - 8 depending on MyGSM model)
SETCLOCK	Sets the current date and time on the module	Date and time in format yyyy- mm-dd hh:mm:ss
SETRESPONSE	Configures the unit inputs to respond by either an SMS (default), 'missed call' or 'Please Call Me' when activated	1 - (SMS) 2 - (missed call) 3 - (Please Call Me)
ENABLE	Enables inputs/outputs This command does not activate the output/input when sent to the unit, but merely enables the output/input to respond to future activations.	OUTPUTS (enables all outputs), OUTPUTn (n = 1 to 8*); INPUTS (enables all inputs), INPUTn (n = 1 to 8*)

	Description	Parameters	
DISABLE	Disables inputs/outputs	OUTPUTS (disables all outputs), OUTPUTn (n = 1 to $8^{*}$ ); INPUTS (disables all inputs), INPUTn (n = 1 to $8^{*}$ )	
SETINPUTNAME	Assigns a name to an input	1 to 8★; input name (maximum of 15 digits)	
SETOUTPUTNAME	Assigns a name to an output	1 to 8★; output name (maximum of 15 digits)	
SETINPUTMODE	Configures the input trigger mode as either rising or falling edge, or both	1 to 8*; rising (R), Falling (F), Both (B)	
SETEVENTNAME	Specifies text for the SMS message to be sent upon activation of the rising and falling edges respectively	Event name, (maximum of 15 characters)	
SETRELAYMODE	Sets the outputs relay(s) as either pulsed or latching	1 to 8*; pulsed (P), latched (L). By default, the relays are set for pulsed operation	
RECHARGE	Loads an airtime voucher to the SIM card in the GSM module	Airtime voucher number	
AIRTIME	Queries the amount of airtime currently on the SIM card in the GSM module		
STATUS	Queries the status of the unit		
10	Queries both the input and output status or states		
SETSMSREPORTMODE	Enables or disables SMS confirmation report, but not SMS replies from web portal.	0 (off) or 1 (on)	
RESET	Resets the GSM module. Once the reset operation has been completed, an SMS will be sent to the administrator number		
REPORTMODE	Enables or disables GPRS (General Packet Radio Service) reporting	0 (off) or 1 (on) The default setting is OFF	
REPORTIP	Sets the IP(Internet Protocol) address to be used for GPRS	IP address	
REPORTPORT	Sets the port for GPRS	Port number	

★ Depends on model

#### Adding a phone

This command allows new phone numbers to be added to the system. When adding a new phone, it is possible to specify which outputs are to be activated by a missed call from the phone, and which inputs will cause a message to be sent to the phone. The amount of time for which the number will be valid can also be set using this command.



Up to ten numbers per input can receive alerts, and more than one input can be assigned, using a single command. For example, Inputs 1, 5 and 7 can all be configured to send notifications to the number "0823013325" by sending the command "ADD i157 27823013325" to the module.

	Description	Parameters
ADD	Adds a new phone number to the system	Phone number(s) (up to 25 digits each)

**Examples** (commands have been highlighted for clarity)

Command	Description	
<b>ADD</b> 27731233455	Adds phone number 0731233455 to the system and, since no parameters are specified, by default assigns output 1 to be activated by a 'missed call' from this number. This allows easy addition of new phones to a basic system	
<b>ADD</b> 27823013325 i12 o2	Adds phone number 0823013325 to the system, assigns output 2 to be activated by a 'missed call' from this number, and inputs 1 and 2 to send notifications to the number when triggered. The text to be included in the input notification (if set for SMS notification) can be specified using the 'SETINPUTNAME' command	
<b>ADD</b> 27798549983 i12345678 o1 12	Adds phone number 0798549983 to the system, and assigns output 1 to be activated by a 'missed call' from this number. Inputs 1, 2, 3, 4, 5, 6, 7 and 8 will all send notifications to the number when triggered, and the number will remain in the system's memory for a period of 12 days	

#### **Deleting a number**

This command allows a number to be deleted from the system.

	Description	Parameters
DELNUMBER	Deletes a number from the system's memory	Phone number - up to 16 digits

**Examples** (commands have been highlighted for clarity)

Command	Description	
<b>DELNUMBER</b> 27837654321	Deletes phone number 0837654321 from the system.	

#### **Configuring the Module - First time user**

These commands allow the functionality of the system to be configured. Outputs can be set up, states of inputs/outputs checked, reporting capabilities managed, etc.

	Description	Parameters
SETADMIN	Sets the administrator number for the unit	Phone number - up to 16 digits
ADD	Adds a new phone number to the system	Phone number(s) - up to 16 digits each
SETUNITNAME	Assigns a name to the GSM unit	Unit name - up to 15 characters
SETCLOCK	Sets the current date and time on the module	Date and time in format yyyy-mm-dd hh:mm:ss
SETINPUTNAME	Assigns a name to an input	1 to 8★; input name (maximum of 15 digits)
SETOUTPUTNAME	Assigns a name to an output	1 to 8★; output name (maximum of 15 digits)
SETINPUTMODE	Configures the input trigger mode as either rising or falling edge, or both	1 to 8 <sup>★</sup> ; rising (R), falling (F), both (B)
SETEVENTNAME	Specifies text for the SMS message to be sent upon activation of the rising and falling edges respectively	Event name (maximum of 15 digits)
SETRELAYMODE	Sets the outputs relay(s) as either pulsed or latching	Sets the outputs relay(s) as either pulsed or latching

 $\star$  Depends on model

#### **Examples** (commands have been highlighted for clarity)

Command	Description	
SETUNITNAME Pump Station	Sets the name of the GSM module as 'Pump Station'. A maximum of 15 characters is allowed.	
SETCLOCK 2012-07-31 21:34:55	Sets the date and time on the GSM module as 31 July 2012, 21:34:55	
SETRESPONSE 2	Configures the module inputs to initiate a missed call when activated.	

ENABLE OUTPUT 3	Enables Output 3 so that it will activate when subjected to a valid trigger (either a missed call, SMS or Please Call Me).	
ENABLE OUTPUTS	Enables <b>all</b> outputs so that they will activate when subjected to a valid trigger (either a missed call, SMS or Please Call Me)	
<b>DISABLE INPUT</b> 3	Disables Input 3 so that it will not respond to any trigger	
SETINPUTNAME 3 Tank Full	Sets the name of Input 3 as 'Tank Full'. This means that should the input be activated (i.e. the tank full state reached), this text will appear in the notification sent to users. A maximum of 15 characters is allowed	
SETOUTPUTNAME 1 Alarm	Sets the name of Output 1 as 'Alarm'. A maximum of 15 characters is allowed	
SETINPUTMODE 1 B	Sets Input 1 to trigger on both rising and falling edges	
SETEVENTNAME 1 R PUMP ON Before this can be set, the input trigger mode must first be configured using the SETINPUTMODE command.	This command will set a message containing the text 'Pump On' to be sent to users when the voltage on Input 1 rises from 0V to 12V. A maximum of 15 characters is allowed	
SETEVENTNAME 1 F PUMP OFF (Will typically be used together with the above example) Before this can be set, the input trigger mode must first be configured using the SETINPUTMODE command.	This command will set a message containing the text 'Pump Off' to be sent to users when the voltage on Input 1 falls from 12V to 0V. A maximum of 15 characters is allowed	
SETRELAYMODE 2 L	Sets Relay 2 as a latching output	
SETSMSREPORTMODE 0	Turns off the SMS reporting feature	

#### **Querying the module**

The command set below can be sent to the module in order to obtain information on the status of the module, as well as the states of the individual inputs and outputs. An SMS will be sent to the administrator containing this data.

	Description	Parameters
STATUS	Queries the status of the unit	
ю	Queries the input and output states	

Sending the **STATUS command** to the unit will reply with the following information

- The name of the module
- The firmware version
- The names of the inputs
- Whether the outputs are set for pulsed or latching operation
- The signal strength
- The unit's IMEI number

Sending the **IO command** to the unit will result in an SMS being sent to the administrator containing the following information:

#### Outputs

- The state of the relay
- Whether it is set for pulsed or latching operation
- Whether it is enabled or disabled

#### Inputs

- The input level, i.e. whether it is high or low
- Whether the input level is set for rising or falling edge
- Whether the input level is locked or unlocked

#### A typical IO report would look as follows

Relays	Explanation
LEVEL: 00001100	Relays 1 to 4 and 7 and 8 are <b>de-energised</b> ; relays 5 and 6 are <b>energised</b>
MODE: LLLLPPPP	Relays 1 to 4 are set for <b>latching</b> operation; relays 5 to 8 are set for <b>pulsed</b> operation
LOCK: UUUULUUU	Relays 1 to 4 and 6 to 8 are <b>enabled</b> (unlocked); relay 5 is <b>disabled</b> (locked)
Inputs	
LEVEL: 00001100	Inputs 1 to 4 and 7 and 8 are <b>low</b> and inputs 5 and 6 are <b>high</b>
MODE: FFFRFRFR	Inputs 1,2 ,3, 5 and 7 are set for <b>falling</b> edge; inputs 4, 6 and 8 are set for <b>rising</b> edge
LOCK: UUUULUUU	Inputs 1 to 4 and 6 to 8 are <b>enabled</b> (unlocked); input 5 is <b>disabled</b> (locked)

#### Airtime

The amount of airtime remaining on the unit can be queried, and airtime vouchers can be loaded, by making use of the following set of commands:



It is important for the SIM card to have at least some airtime available for communicating with the web portal, or if the unit is to send notifications to users (this will reduce the amount of available airtime by the cost of an SMS text message).

	Description	Parameters
RECHARGE	Loads an airtime voucher to the SIM card in the GSM module	Airtime voucher number
AIRTIME	Queries the amount of airtime currently on the SIM card in the GSM module	

**Examples** (commands have been highlighted for clarity)

Command	Description
<b>RECHARGE</b> 4568298754231	Loads airtime onto the GSM module using voucher number "4568298754231"

#### Alternative SMS activation/deactivation of outputs

The outputs on the module can be explicitly activated and deactivated by sending an SMS command to the module, from a valid phone (a valid phone is one for which a number exists in the system, and one for which outputs have been assigned) by sending the command string "ON" and the output's number or name (if one has been assigned) to the module. Similarly, outputs can be deactivated by sending the command string "OFF" and the output's number or name to the module.

For this command to work you must have set up the output name using the "SETOUTPUTNAME" command. If these commands are to be used, a name must first be assigned to the output(s) using the 'SETOUTPUTNAME' command.

Examples (commands have been highlighted for clarity)

Command	Description
ON ALARM	Activates the output that has been named 'Alarm'
OFF ALARM	Deactivates the output that has been named 'Alarm'

# 11. MyGSM configuration using the web portal



MyGSM offers an optional online interface through which an unlimited number of modules can be easily added and administered. The online portal, www.MyGSM.co.za, allows for the configuration of several advanced features such as access time management and activation programming. Functionality depends on user profile.

Registration

FIGURE 23.

Before **MyGSM** GSM units can be added and administered via the web portal, it is first necessary to register and create a user profile. To accomplish this:

# <text><text><text><text><text><text><text><text>

FIGURE 24.

- Navigate your internet browser to www.MyGSM.co.za and click on the "Sign Up Now" button at the top of the screen as shown in Figure 25
- This will take you to the "Pricing" and "Sign Up" page. Select either "Free User" or "Full User", depending on your specific requirements



**FIGURE 25** 

3a. The **"Free User"** registration option offers the following functionality:

- Add unlimited units
- Add up to 750 users per unit
- · Send bulk SMSs to users and clients
- Ten free credits on Sign Up $\star$



This option is ideal for home-owners.

3b. The "Full User" registration option offers the following functionality:

- Add unlimited units
- Add up to 5000 users per unit
- Send bulk SMSs to users and clients
- Control unit enable/disable times
- Control unit on/off times
- Control unit user access times
- Guest addition functionality
- 10 free credits on Sign Up<sup>★</sup>
- ★ Credits are required to effect changes to the module settings. Each change made from the web portal uses one credit Read more about credits on page 42.
- 4. Once you have selected your preferred registration option, you will be directed to the "sign-up" form. Complete the required fields and click on "Sign Up" at the bottom of the screen form as shown in Figure 26

MY GSM Home Lo	gin Pricing+Sign Up What is MyGSM? Downloads Buy a GSM Unit Co	ontact Us
PRICING + SIGN UP > FREE	USER ACCOUNT	-
Sign Up: Free Us	er Account	
PERSONAL DETAIL	(REQUIRED).	
Title:	Select 🔽	
First Name:		
Surname:		
E-mail Address:		
Cellphone Number:	+27 🔽 (0)	
Country:	South Africa	$\checkmark$
Timezone:	(GTM+02:00)Harare	$\sim$

#### **FIGURE 26**

5. Once you have completed and submitted the "Sign Up" form, an "activation link" will be sent to your email inbox.



You must click on this "link in" order for your account to be activated.

- Once your account has been activated, you can log in and start using the CENTURION MyGSM web portal. You should receive the activation link immediately after registering. However activation may take up to 24hrs
- After your account has been activated, navigate your browser to www.MyGSM.co.za, enter the login fields at the top of the screen and click on Login.



FIGURE 27

- Ensure that the SIM card to be used in your GSM module is active and has been registered in terms of the RICA act (Regulation of Interception of Communications)
- Ensure that the SIM card has been registered on the relevant network
- The SIM card's PIN code must be disabled
- · Ensure that airtime has been loaded onto the SIM card
- The unit must be powered up

#### Assigning the unit

 Move the cursor with your mouse over the "Units" button at the top of the screen. This will produce a drop-down menu with the names of all units already assigned (if any), as well as an option to add a new unit. Click on "Add New Unit".

GSN Units - Contacts Bulk SMS Credit	s Downloads John Delinger ▼	
Downloads		
USING MYGSM:		
🔂 Getting Started Guide		
🔂 How to Add and Delete Permanent Unit Users		
D Full SMS Command List		
5 Contacts Import Template		
INSTALLING A GSM UNIT TO YOUR GATE NOTOR:		
🚊 Instruction Video		
WIRING INSTRUCTIONS:		
D How to Wire a Light		
	F	TGURE 28

2. Enter the unit's 15-digit IMEI number and SIM card's mobile number. The IMEI number will be displayed on the product packaging as well as on the GSM module itself as indicated below in Figure 30.



FIGURE 29.

3. After entering the IMEI and mobile numbers, click on the **"Continue"** button.

GSM Unita Contact	Bulk SMS Credita Downloads	John Delinger *
UNITS>ADD NEW UNIT		
Add New Unit		
Unit IMEI number:	585556000006546	



4. This will take you to the "unit settings" screen. Here you can assign a name to the unit, as well as to the individual inputs and outputs.

GSIM SM	<ul> <li>Contects</li> </ul>	Bulk SMS Credits Downloads	John Delinger *
NITS>ADD NEW UNIT	(STEP 2)		
dd New U	nit (Ste	ep 2)	
Unit IMEI number:	1 CREDIT	GSM controller	
OUTPUT NAMES			
		Relay 1	
Output 1 Name		Ttoldy T	
Output 1 Name Output 2 Name		Relay 2	
Output 1 Name Output 2 Name Input 1 Name	_	Relay 2 Input 1	

-	- /
	="
1	

Each change made will deduct one credit from your account.

5. Click on **Complete Unit Addition**. To add more units, repeat from Step 1.

#### **Adding Contacts**

1. To add contacts to a unit's memory, click on the **Contacts** button at the top of the screen.



Contacts will not yet be able to perform any activations or receive notifications. They must first be assigned **User** status, which will be discussed in the next section.

MY GSM Units * Co	ntacts Bulk SMS Credits Downloads	John Delinger 🕶
UNITS>GSM CONTROLLER		
Unit Details: G	SSM Controller	
🛎 Osers 🏦 Guests 🗏 Logs	Inable/Disable times 🖉 Open/Close times 🔍 Advanced	
Unit IMEI number:	585556000006546	
Unit IMEI number: Unit Mobile Number:	585556000006546 +27 🗹 (0)	
Unit IMEI number: Unit Mobile Number: Unit Name: 1 CREDIT	585556000006546 +27 🗑 (0) [ GSM controller	
Unit IMEI number: Unit Mobile Number: Unit Name: CREDIT OUTPUT NAMES	585556000006546 +27 🗑 (0) [ GSM controller	
Unit IMEI number: Unit Mobile Number: Unit Name: 1 CREDIT OUTPUT NAMES Output 1 Name 1 CREDIT	58555600006546 +27 🗑 (0) [ GSM controller Relay 1	
Unit IMEI number: Unit Mobile Number: Unit Name: 1 CREDIT OUTPUT NAMES Output 1 Name 1 CREDIT Output 2 Name 1 CREDIT	58555600006546 +27 🗑 (0) GSM controller Relay 1 Relay 2	
Unit IMEI number: Unit Mobile Number: Unit Name: 1 CREDIT OUTPUT NAMES Output 1 Name 1 CREDIT Output 2 Name 1 CREDIT	58555600006546 +27 🗐 (0) GSM controller Relay 1 Relay 2	
Unit IMEI number: Unit Mobile Number: Unit Name: 1 CREDIT OUTPUT NAMES Output 1 Name 1 CREDIT Output 2 Name 1 CREDIT Input 1 Name 1 CREDIT	58555600006546 +27 🗐 (0) GSM controller Relay 1 Relay 2	
Unit IMEI number: Unit Mobile Number: Unit Name: 1 CREDIT OUTPUT NAMES Output 1 Name 1 CREDIT Output 2 Name 1 CREDIT Input 1 Name 1 CREDIT	58555600006546 +27 (0) GSM controller Relay 1 Relay 2 Input 1 Input 2	

- 2. Click on Add New Contact.
- 3. Complete the applicable fields at least one mobile number must be entered.
- 4. An entire household's numbers can all be stored under a single contact entry.
- 5. Click on the **Add Contact** button at the bottom left-hand side of the screen.
- 6. To add more contacts, repeat from Step 1 above.

#### **Assigning users**

	-
	= " -
	=
1	_

Users are "contacts" that are able to exercise some sort of influence over the unit, such as activating a relay or receiving notifications when inputs are triggered.

To assign a "contact user" status:

1. Move your cursor over the "Units" button to produce the dropdown menu.

MY Contacts Bulk SMS Credits Downloads	John Delinger 👻
Downloads	
LISTING NYGSM:	
To exting started tanke         Bow to Add and Delete Permanent Unit Users         Init SMS Command List         Contacts Import Template	
INSTALLING A 65N UNIT TO YOUR GATE NOTOR:	
🚡 Instruction Video	
WIRING INSTRUCTIONS:	
🔁 Row to Wire a Light	
	FIGURE

- 2. Move the cursor over the unit name to which you wish to add a user; another dropdown menu will appear.
- 3. Click on Users.

MY @ GSM	Unita - Contacts	Bulk SMS Credit	s Downloads	John Delinger <del>v</del>
Units	Lessing Huis > ADD NEW UNIT	Logo Coeds		+Add New Unit
	∕ Details #User	Enable/Oisable Times Open/Close Times	Logs 🔍 Drable & Disable Times 👔	# Open & Open Times 👔 🔍 Advanced
	ノDetails 赤Unar	Advanced	Ungs – @ Fraible & Doable Times [/]	#Open & Cose Times [] = @ Altonical

**FIGURE 34** 

4. Click on the Add New User button.



- 5. On the **Add New User** screen, tick whether you want to add a single user or multiple users.
- Select the contact you want to assign "User status", to from the dropdown list. If the contact does not appear on the list, you are able to add them from this page by clicking on Add New Contact which appear at the top of the list.
- 7. Select a relay to be activated by a trigger signal from this user. On this screen, you are also able to assign inputs to send notifications to the user.

<b>MY</b> <b>GSM</b> Units - Contacts Bulk SMS Credits Downloads	John Delinger <del>▼</del>
UNITS>GSM CONTROLLER>USERS>ADD NEW USERS	
GSM Controller: Add New User	
NOTE: Please ensure that your unit is satirbed on and able to receive SHSes before editing this user.	
📆 Rahl Single Dear. 🗇 Ashl Polliple Dears	
SELECT CONTACT	
SELECT OUTPUT (REQUIRED)	
# Relay 1 D Relay 2	
SELECT INPUTS (OPTIONAL)	
🗆 Input 1 🔲 Input 2	
Add Selected Unit Users	

**FIGURE 36** 

8. Click on the **Add Selected Unit Users** button at the bottom of the screen.

#### **Deleting Users**

Users can be selectively deleted from the user's memory. To delete a specific user:

- 1. Move your cursor over the "Units" button to produce a dropdown menu.
- 2. Move the cursor over the unit name from which you wish to remove a user; another dropdown menu will appear.
- 3. Click on Users.



- 4. All the users assigned to that specific module will be listed.
- 5. To delete a user, simply click on the **Delete** button as shown in the image below.
- 6. You will be asked to confirm this action.

GSM Units - Contacts BL	ulk SMS Credits Downloads	
UNITS>GSM CONTROLLER>USERS		
The selected a	user has been processed. Please be patient while it is added to your us	nt.
GSM Controller: Users		+ Add New Users
GSM Controller: Users	Output/Input	+ Add New Users
GSM Controller: Users	Output/Toput Dity 1	+ Add New Users Actions Content Times Content Times

FIGURE 38

#### Setting access times

A unique and useful, high-security feature associated with the **mygsm.co.za** web portal is the ability to set access times. Both outputs and inputs can be configured individually to be enabled during certain times of the day, and disabled the rest of the time. A typical application would be where the **MyGSM** module is controlling the entrance gate to a business park, and access to employees should only be granted during office hours. The relay connected to the gate motor or traffic barrier can then be set up to only be enabled and respond to input signals between 8:00 and 17:00, and ignore input signals outside of these times.

To set access times:

- 1. Move your cursor over the 'Units' button to produce the dropdown menu.
- 2. Move the cursor over the name of the module for which you wish to configure access times.
- 3. Click on Enable/Disable Times.

MY () GSN UNITS-GSN CC UNITS-GSN CC Leathg HZa ACU HZW MH ACU HZW MH ACU HZW MH ACU HZW MH ACU HZW MH	acts Bulk SMS Credits Downloads UASE UBS	John Delinger <del>▼</del>
Unit IMEI number:	585556000006546	
Unit Mobile Number:	+27 🗹 (0)	
Unit Name: 1 CREDIT	GSM controller	
OUTPUT NAMES		
Output 1 Name 1 CREDIT	Relay 1	
Output 2 Name 1 CREDIT	Relay 2	
Input 1 Name 1 CREDIT	Input 1	
Intput 2 Name 1 CREDIT	Input 2	

4. 'Tick' the days for which you wish to set access times, and select the parameters between which the outputs/inputs should be enabled.



FIGURE 40.

5. Click on Save Enable and Disable Times.

#### Activation programming

The Activation Programming feature enables users to set Time-periods for the output relays to automatically activate and deactivate. Example The **MyGSM** module has been interfaced with an irrigation system on a farm, the unit could be configured via the website to open one or all of its relays at 16:00 which will in turn activate the irrigation equipment, and stay open for a period of one hour, after which it will automatically close the relay again.

To set activation times:

- 1. Move your cursor over the **Units** button to produce the drop-down menu.
- 2. Move the cursor over the name of the unit for which you wish to program activation times.
- 3. Click on Open/Close Times.

	ontacts Bulk SMS Credits Downloads	John Delinger <del>v</del>
Download Attrace with USENG MYGSM: Contracts Import Templat Contacts Import Templat	ermanent Unit opera	
INSTALLING A GSH UNIT TO	YOUR GATE NOTOR:	
WIRING INSTRUCTIONS:		

4. 'Tick' the days for which you wish to program activation times, and select the parameters between which the output relay(s) should remain open.



FIGURE 42.

5. Click on Save Open and Close Times.

#### Logs

The system is capable of emailing detailed transaction logs to the administrator's email inbox on a daily, weekly or monthly basis. The logs will report on the transaction date and time, the name of the access holder and the name or number of the activated relay(s). This is a useful security and administration feature.



Each unit log request uses one credit.

To set activation times:

- 1. Move your cursor over the **Units** button to produce the dropdown menu.
- 2. Move the cursor over the name of the unit for which you wish to receive transaction logs.
- 3. Click on Logs.

GSM Units - Contacts	Bulk SMS Credits Downloads	John Delinger <del>v</del>
Downloa JUD NEW UNAI USENG MYGSM: Cetting Started Guide Cetting Started Guide Cetting Started Guide Cetting Started Guide Cetting Started Guide	Uses Uses Examples the Control of	

4. 'Tick' the box to enable log delivery and select at what intervals you would like to receive them.



FIGURE 44.

#### 5. Click on Save Changes.

The transaction logs are also available for viewing on the mygsm.co.za web portal itself.

#### To view the logs online

2. Click on logs

1. Move your cursor over the Units button to produce the dropdown menu, and again move it over the name of the unit for which you wish to view logs.



FIGURE 45.

 On the "Log Settings" screen, under "Log History", click on "Load Historical Log Data". If you have not previously made use of the log facility, you must first click on "Retrieve Logs".

GSM)	Units +	Contacts	Bulk \$M\$	Credits	Downloade
UNITS > LESSING	iuns > ings				
	L	ogs			
LOG SETTING	N				
P Retrieve an	te mail a 🛛 Ma	onthiy 💼 lo	g of activity on	this unit.	
Sava Changer	NOTE: Fash	log netriloso i e	(ll-cost i caedit		
LOG HISTORY	r				
Tage last outroe	red on 110 Jane	103 <b>N</b> 276	Section is	ge man	
112.1	1. 1.				

#### Credits

$\sim$			
	16		
	18		
		-	
	18	1	
	181	-	

As noted previously, each change made to the settings of the **MyGSM** unit via the **www.MyGSM.co.za** web portal deducts one credit from the administrator's account. Ten free credits are given upon sign-up.

When these credits have been exhausted, more can be purchased in the following manner:

1. Click on the **'Credits**' button at the top of the screen.

MY @ GSM	Units <del>▼</del> Contacts	Bulk SMS Credits	Downloads	John Delinger <del>v</del>	
Downloa	ds				
USENG MYGSM	;				
D Getting Sta D How to Add D Full SHS Co G Contacts In	rted Guide I and Delete Permanent I mmand List Iport Template	Unit Users			
INSTALLING A	GSM UNIT TO YOUR GAT	E NOTOR:			
道 Instruction	Video				
WIRING INSTR	UCTIONS:				
1 How to Wir 1 How to Wir	e a Light e Inputs e a 220Vac Input Relay e a Geyser and 220Vac R e an IDS Nami Panel	ielays			



2. You will be directed to a screen displaying the amount of credits available in your account, as well as your credit purchase history. To purchase more credits, click on the **Buy Credits** button.

<b>MY</b> <b>GSM</b> Units - Contacts Bulk SMS Credits Downloads	John Delinger 🕶
Credits	Buy Credis
Available Credits: 1006	
CREDIT PURCHASE HISTORY	
You have not yet particulation any enables	

FIGURE 48.

3. Select the credit amount that you would like to purchase from the list of available options.



Each change made will deduct one credit from your account.



FIGURE 49.

4. Select a payment method and click on **Purchase Credits.** 

#### **Bulk SMS feature**

The Bulk SMS feature enables the administrator to compile a text message using the web portal and send it to one or more people on the contacts list. This is useful especially for Bed and Breakfast and guesthouse owners who wish to communicate with visitors, thanking them for their patronage or notifying them of upcoming specials. Landlords can also use the facility to alert tenants to the fact that their rent is overdue, their contract is up for renewal, etc.

To send a bulk SMS:

1. Click on the **Bulk SMS** button at the top of the screen.



2. Click on Send New Bulk SMS.



FIGURE 51.

3. Compile the message in the text block provided.

	GSM Units - Contacts Bulk SMS Credits Downloads John Delinger -	
÷	BULK SMS>NEW BULK SMS	
	NEW BULK SMS	
	MESSAGE:	
$\langle \rangle$	Trier Newsey	
2		
	of test dia latence	
	MI Severities measure in a lateral measurement of the severities o	
	CORTACTS:	
	Select al Desslect al	
	EI Alexi Jaiho +272990/2619	
	Johan Lessing	
	PT Topey Krade + 2/07/6/4427	
	Sevel 2004 to Role stud Panta Is	

FIGURE 52.

- 4. Select the individuals to whom the SMS should be sent from the contact list.
- 5. Click on Send SMS to Selected Contacts.
- 6. The Bulk SMS history will also appear on this screen, and it is possible to save the message for future use.

#### **Adding guests**

Guests are 'temporary' **Users** and will only have access to the unit's outputs for a finite amount of time before their access is revoked automatically by the system. An SMS text message can also be set to be sent automatically to guests upon arrival and departure, and the relay(s) which their numbers are able to activate can be set on this page.

To add a new guest:

- 1. Move your cursor over the **Units** button to produce the dropdown menu.
- 2. Move the cursor over the unit name to which you wish to add a guest.
- 3. Click on Guests.

GSM Units - Contacts	Bulk SMS Credits Downloads	John Delinger ▼
	U.es iage Cardo Cardo Terro	
Getting Started Guide Getting Started Guide Getting How to Add and Delete Permanent Getting Full SMS Command List Getting Contacts Import Template	CountWow Thins Visionan Unit Users	
INSTALLING A GSH UNIT TO YOUR GAT	E NOTOR:	

#### 4. Click on Add New Guest

	MY Units - Contacts Bulk SMS Credits Downloads John Delinger -	
UN	NIT > GSM CONTROLLER > GUESTS	
G	GSM Controller: Guests	
	tize connectly have no active or operating grands for losis and.	

FIGURE 54.

- 5. Select the guest from the contact list (if the guest's name does not appear on the list, he/she must first be added as a contact).
- 6. Specify the guest's arrival and departure times (these are the parameters between which the guest will have access to the unit's outputs).
- 7. Specify which relay the guest must be able to activate.
- 8. Arrival and departure SMSs can also be compiled.

MY GSM Units	r Contacts Bulk SMS Credits Downloads	John Delinger 🔻
UNIT > GSM CONTROL	LER > GUESTS > ADD GUESTS	_
GSM Controll	er: Add New Guest	
GUEST DETAILS:		
cantad:	Sadect	L_
STAY DETAILS:		
Antival Bale/Time:	at 00 : 20 te	
Departure Date/Time:	zt 00 m : 00 m	
Output:	salect 🔳	
SMS DETAILS:		
Annual SMS:	(716) disautors. Leave black to small to SMS	÷
	Send SNS ne days ne hours before a seried.	
Departure SMS:	While characters. Leave blank to send no SMS.	*
	Send SHS 0 - days 0 - hours after - departure.	

FIGURE 55.

#### **Advanced features**

The unit's advanced settings can be edited under this menu. These are:

- Configuring the outputs as either pulsed(P) or latching(L)
- Configuring the input trigger modes as either rising edge, falling edge or both

To access the Advanced Features menu:

- 1. Move your cursor over the **Units** button.
- 2. Move the cursor over the name of the module that you wish to edit the settings of.
- 3. Click on **Advanced.**

MY (Contacts)       Units * Contacts       Bulk SMS       Contacts       Contacts       Contacts       Bulk SMS       Contacts       Contacts </th <th>Sredits Downloads John Delinger -</th>	Sredits Downloads John Delinger -
INSTALLING A GSM UNIT TO YOUR GATE NOTOR:	
🚠 Instruction Video	
WIRING INSTRUCTIONS:	
🗊 How to Wire a Light	
D How to Wire Inputs	
🗇 How to Wire a 220Vac Input Relay	
D How to Wire a Geyser and 220Vac Relays	
Di How to Wire an IDS Alarm Panel	,
	FIGURE 56

4. Configure the relay and input modes as required, and click on **Save.** 

MY GSM Unit	s <del>▼</del> Contacts Bulk S	MS Credits Downloads	Johr	n Delinger <del>v</del>
UNIT > GSM CONTRO	DLLER > ADVANCED SE	TTINGS		
GSM Control	ler: Advanced	Settings		
NOTE: Please ensure that	your unit is switched on and ab	is to receive SMSes before proceeding.		
RELAY MODES				
Defects: Paker				
Relay 1: Pulse 💌 💷	21			
Relay 2: Pulse in Taxa	41			
INPUT MODES				
Defail: Hising Edge		Rising Edge Name:	Falling Edge Name	:
Input I: Rising Edge	33300	Rising Edge	LOLIN	
Input 2: Rising Edge		Rising Edge	100.000	

## **12. MyGSM configuration using the USB facility**



#### **FIGURE 58**

#### **USB** programming

In addition to being able to edit the unit settings via SMS commands and the online portal, it is also possible to configure the unit using your computer's USB port and the **MyGSM** PC application included with your purchase of the **MyGSM** device.

- 1. Simply insert the disc into your computer's CD-ROM drive, and follow the onscreen instructions.
- 2. Run the **GSMConfig.exe** file, which is to be found in the PC Application folder on the disc.



The application can also be downloaded from the **www.MyGSM.co.za** website. To download the software from the website, you must first create a profile on the web interface. For instructions on how to do so, refer to the section (Using the **www.MyGSM.co.za** Web Portal)- Section 11 on page 29

3. Once you have created a profile and have logged in, on the home page, click on the **Downloads** button.

GSM	Units  ▼ Contacts Bulk SMS Credits Downloads	
Units		± Add New Unit
GSH Controller +27021233455	✓ Details # Users (2) = Il Guests (0) = Elogs = Enable & Disable Times (	nj - # Open & Close Times (s) - ♥ Advanced
	∠ Details - #-Dears (2) = #-Guests (0) = E tays - #-Erable & Deable Times (	] # Open & Close Times [⊴ =0 Advanced

3. This will take you to the Downloads page. Scroll to the bottom on the screen, and select the **PC Application.** 



#### FIGURE 60.

4. You will be prompted as to whether you wish to "Run" or "Save" the application, select Save and specify a location on your computer's hard drive for the application to be saved. Once the download has completed, click on "Run". The application should start automatically.

#### Adding a New User

- 1. To add a new user to the module, enter the user's number (in the international format) in the field provided and click on Add Number.
- 2. To assign inputs to communicate with the number, click on Inputs and select the relevant input numbers from the list.
- 3. To assign outputs to be activated by the number, select the relevant relay numbers from the dropdown list.

⊞ SSM Conting +24					
Native	Drout	Output	Dounidown		
				MY	
				No.5	
				Dec Me	
				New Hole Adversed	
20 Mich. all the		L	dana a		
Input and Damp	eSelected Deiste	classical.	Addramler	Count 0	
Export 2002					

#### Adding multiple users

Multiple users can be added simultaneously by making use of the "Import CSV" feature. A free Contacts Import Template is available for download from the **www.MyGSM.co.za** website under the Downloads section. The template provides fields for the user's name and surname, unit number, street name and number, four different mobile numbers, inputs and outputs associated with the user, email address and additional information. (users must be logged in to have access to this area)

🔠 GSM Config v2.4					
Number	Input	Output	Countdown		
				MYN	
				GSM	
				Non File	
				OpenTile	
				Save Hic	
				Atvanced	
2/6299336.78	Inputs	1 -	Always	×	
inport ov Oven	ge Selected Delete (	Checked	Add Number	Count 3	
Esport.cav					
				]	

FIGURE 62.

#### **Deleting users**

It is possible to remove one or more users from the module's memory in the following manner:

- 1. 'Tick' the numbers that you wish to delete.
- 2. Click on the "Delete Checked" button.

I GSM Config v2A				
Number	input	Output	Countdown	
7 27838367516	None	1	Alwaya	
27824445678	None	1	Always	
27765043210	None	1	Aways	GSM
				Pare Hie
				OpenHie
				Save Hie
				Advanced
27838967546	Inputs	[i •	Alwaya	
Import.csv Change	e Selected Delete	Checked	Add Number	Count 3
Export .csv				

#### **Editing unit settings**

To edit the unit settings, click on the **Advanced** button. On this screen, you will be able to edit the following settings:

- The unit name
- The administrator number
- Input and output names
- Relay operation (pulsed or latching)
- Event names for rising and falling input events
- Enable/disable inputs/outputs
- Enable/disable rising/falling edges

Once the desired changes have been made, click on OK.

Unit Settings	Input Names	Output Names
Unit Name GSM Controller	inputName1	OutputName1
Admin nr	InputName2	OutputName2
	InputName3	OutputName3
Output Enable 12345678 Se	t InputName4	OutputName4
	InputName5	OutputName5
Rising Edge Enable 12345678 Failing Edge Enable 12345678	t InputName6	OutputName6
	InputName7	OutputName7
Relay Settings Se	t InputName8	OutputName8
	RisingEvent1 RisingEvent2 RisingEvent3	FalingEvent1 FalingEvent2 FalingEvent3
	RisingEvent4	FalingSvent4
	RisingEvent5	FalingEvent5
( )	RisingEvent6	FalingEvent6
	RisingEvent7	FalingEvent7
	PicingCountS	FalincEvent8

**FIGURE 64** 

#### Saving unit settings

Whenever changes are made to the unit's settings, numbers added and deleted, etc., using the PC Application, the .BIN file must be saved. It is highly recommended that the file is first saved on your local computer; this ensures that a backup of your unit settings and access numbers exists should you ever need to restore them.

To save the file:

1. Click on the Save File button.

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Import .csv Change : Export .csv	Selected Delete Checked	Add Number	Count 2

FIGURE 65.

2 Specify a location on your computer's hard drive for the file to be saved.



- 3. Click on Save.
- 4. The file must now be transferred to the GSM device to enable your device for USB programming, move the shunt provided so that it bridges 'USB' with the common pin, as shown in Figure 67.



FIGURE 66.

- 5. Using the cable provided, connect the **MyGSM** module to your computer's USB port.
- 6. The device will automatically install drivers, and the following pop-up in Figure 68 should appear:



FIGURE 67.

- 7. Once the drivers have been installed, the unit will be accessible as a removable disk in the left-hand pane of the My Computer screen.
- 8. Navigate to where you have saved the **newconf.bin** file on your hard drive, and save it to the removable disk (**MyGSM** device).
- 9. Press and hold the "signal strength" button for a period of two seconds; the module will reboot and reprogram itself.
- 10. The unit has now been correctly updated and is ready for use

## 13. Installation handover

Once the installation has been successfully completed and tested, it is important for the installer to explain the operation and safety requirements of the system.

**Centurion Systems (Pty) Ltd** does not accept any liability caused by improper use, of the product, or for use other than that for which the automated system was designed.

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