



MAMI

Manufacturing And Minor Inventions

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GiSMo

GSM/GPRS Programmable Communicator

GiSMo

The GiSMo 2 is a multi-purpose GSM unit used for monitoring and controlling devices via SMS and Mobile network

Programmable: Trigger times per input

Non-restore time

Input names

Input Delay (positive and negative)

Auto airtime check and recharge commands

Input action (Call, SMS, trigger output, GPRS)

Access control time for missed call

2000 Names & Numbers (intercom)

Event logging onboard (offline version) or web(online version)

One time programmable missed call or one time pin

Programmable via SMS or USB

Reverse polarity protection (24V)

Hardware Features:

3 inputs

2 voltage free relay outputs

Built-in lead acid charger

Open Serial Port (optional-GPRS)

Built-in Radio Receiver (optional)

Compatible Accessories:

Intercom 2 button home intercom

Topo/SLIM remote control relay activation

Start up

The GiSMo must have a power supply that can handle up to 2A spikes from SMS and GPRS usage. It is therefore recommended to connect to a battery or good power supply.

Please make sure that the SIM card in use does not have a security PIN number. This can be disabled by putting the SIM card in a mobile phone and removing the PIN request. Insert the SIM card as show in Figure 3.

The GiSMo is operational when the green LED flashes slowly (1 flash every 2seconds (offline version) or 1 flash every 3 seconds (online version)

Any problem with the SIM card (such as incorrect insertion or PIN number) will be indicated by the RED LED turning on

For ease of setup we recommend using a USB cable(GiSMo4) and make use of PC software to program.

SMS Programming

- All SMS commands start with an asterisk "*" followed by a 4 alphanumeric password, eg. *2222 2222 is the default password
- All commands are confirmed with a reply SMS to the person sending the message or to the status number (if set)
- All commands and settings are converted to upper case.

Resetting

- Hold down both buttons and apply power, continue to hold the buttons for 10 seconds and the green and red LEDs will begin to flash alternately, release the button and wait for approx 4minutes while the memory is erased.

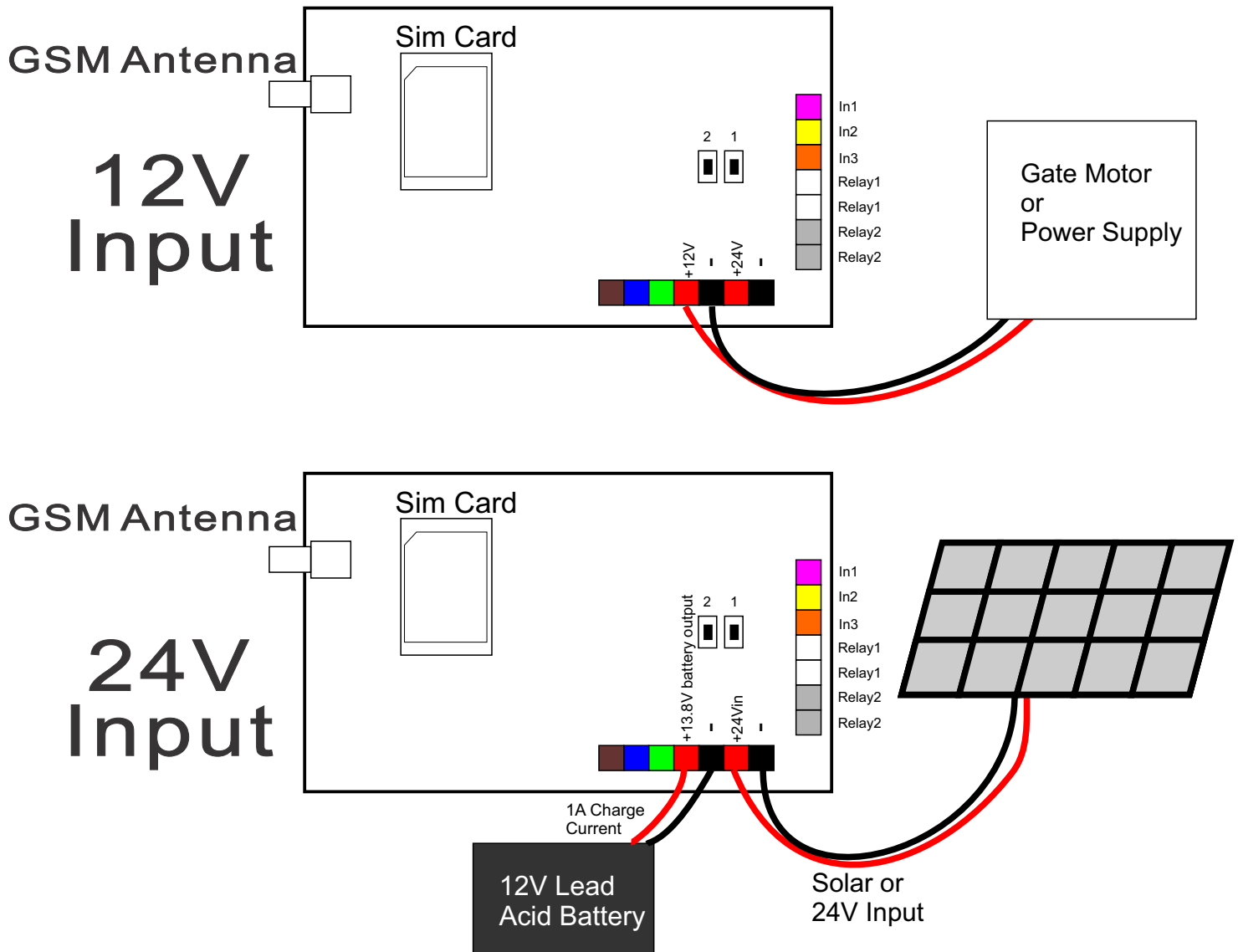
IMPORTANT!

All numbers need to contain the international dialing code (27 for South Africa) without a leading + or 0 eg: 27821234567 is correct

M000153

Connections

GiSMo 2



SMS PROGRAMMING

INPUT MONITORING

SMS (Send SMS on input trigger)

SMS Format: *2222 ADDS=XXXXXXXXXX

Example: *2222 ADDS=27821231234

This will add the selected telephone number to SMS when any input is triggered

CALL (Call on input trigger - intercom)

SMS Format: *2222 ADDD=XXXXXXXXXX

Example: *2222 ADDD=27821231234

This will add the selected telephone number to be called when the relative input is triggered.

Numbers are added sequentially so the first number added will be called when input 1 is triggered, second number when input 2 triggered etc

DELETING INPUT SMS/DIALING NUMBERS

SMS Format: *2222 DELT=XXXXXXXXXX

Example: *2222 DELT=27821231234

This will delete the SMS/Dialing number 27821231234

TRIGGER OUTPUT ON MISSED CALL

ADDING MISSED CALL NUMBERS

Automatic Way: To add number for a missed call it is also possible to hold down the two buttons until the ORANGE LED begins to flash. This means the units is in programming mode. Any phone calling the unit within the next hour will automatically be added to the system.

OR

Manual Way (SMS):

EXAMPLE:

*2222 ADDN=27821231234,123,1,1

This will add 27821231234 as unit 123, user 1 for missed call on relay 1

*2222 ADDN=27821231235,123,3,2

This will add 27821231234 as unit 123, user 3 for missed call on relay 2

DELETE MISSED CALL NUMBER

*2222 DELN=0,123,3 Delete telephone number for unit 123 user 3

or

*2222 DELT=27821231234 Delete number 27821231234

TRIGGER OUTPUTS VIA SMS

SET[A]=B A = 1-4 (input number)
B = 1,0 (1=on, 0=off)

PUL[A] A = 1-4 (input number) Pulses according to the Pulse time set in Relay Time Below

Example: *2222 SET1=1 Turn on Relay 1
*2222 PUL2 Pulse Relay 2

CHANGING INPUT NAME DESCRIPTIONS AND INPUT SETTINGS

SMS Format: *2222 SETI=A,0,Name,INV,TXTHIGH,TXTLOW,DELAY_ON,DELAY_OFF

A : INPUT Number (1-4)

0 : Always 0

Name : Input Name (20 characters)

INV : 1 = Inverted, 0 = Normal

TXTHIGH : High Message (10 characters)

TXTLOW : Low/Restore Message (10 characters)

DELAY_ON : Input delay to trigger in 100ms (eg 200 =20s)

DELAY_OFF : Input delay to Restore in 100ms (eg 200 =20s)

Example

*2222 SETI=1,0,Front_Door,0,OPENED,CLOSED,100,100

This will program the SMS of "FRONT DOOR OPENED" when input 1 is triggered for 2seconds (see below for setting the number to report to)

ADVANCED INPUT OPTIONS:

*2222 NRTI=X : X = Non Restore Time in 20ms

*2222 TTIM=X : X = Trigger Time in 20ms

SYSTEM COMMANDS

Systems name :	*2222 NAME=XXXXXXX	X is up to 16 characters
System Password :	*2222 PASS=1234	Set password to 1234
Relay Time	*2222 RELAY[A]=X	A=1(Relay1), A=2(Relay2) X=0(0.5s), 1-9 = 1-9s
Set Add Airtime Command:	*2222 AAIRT =*100*01*	(recharge pin will be added to *100*01*)
Set the Airtime Retrieval Command	*2222 GAIRT=*136#	
Query airtime using command	*2222 AIRT?	
set in GAIRT		
Add airtime using command	*2222 AIRT=XXXXXXX	X is the recharge voucher pin
set in AAIRT		
HANG up time	*2222 HANG=X	X is in seconds
Get input and output status	*2222 STATUS?	
Status/Master Number	*2222 STATNO=278212345678	
Clear All numbers	*2222 CLEAR=Y	

ADVANCED NUMBER MANAGEMENT SETTINGS

INPUT MONITORING NUMBERS

SMS Format: ***2222 ADDI=XXXXXXXXXX,A,B,PPMMDD,TT,DUR**

X = Telephone number

A = 0 (always unit 0)

B = INPUT Memory location (1-9)

PP = INPUT NUMBER HEX NUMBER REPRESENTING THE INPUT (eg 06 = 0110 = INPUT 2 and INPUT 3, 0F for all)

MM = MONITOR TYPE (LOW,HIGH,TRIGGER,NON-RESTORE) HEX NUMBER (0F for all)

DD = ACTION (SMS,DIAL,RELAY1 ON,RELAY1 OFF,RELAY2 ON,RELAY2 OFF)

TIME= ACCESS TIME (HOURS 0-23) (Blank for none)

DURATION = ACCESS DURATION HOURS (Blank for none)

Example:

***2222 ADDI=27821231234,0,1,0F0F01** Send an sms to 27821231234 when any input is triggered

Delete the number

***2222 DELN=0,0,3** Delete Input Action number 3 (see input action (B) above 1-9)

***2222 DELT=27821231234** Delete telephone number 27821231234

NUMBER MANAGMENT

SMS Format: ***2222 ADDN=XXXXXXXX,U,N,0012DAM,P,D,TIME,DUR**

X= Mobile Number with country code (excluding +)

U = Unit number (1-9999)

N = User Number (1-9)

1 = Missed call Relay1

2 = Missed call Relay2

D = Disable Dialing

A = Auto answer call

M = Disable Missed call

P = Missed call times (1-254)

D = Dial Times (1-254)

TIME = Access Start time (0-23) (25 = ALL)

DUR = Access duration time (hours)

Example

***2222 ADDN=27821231234,1,3,2A,0,0,0,0** add number 27821231234 that triggers relay 2 on missed call as well as auto-answer the call