GiSMo

The GiSMo 2 and GiSMo 4 are multi-purpose GSM unit used for monitoring and controlling devices

Programmable: Trigger times per input
Non-restore time
Input names
Input Delay (positive and negative)
Airtime check and recharge commands
Input action (Call, SMS, trigger output)
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 Web (online version), SMS or USB
Reverse polarity protection

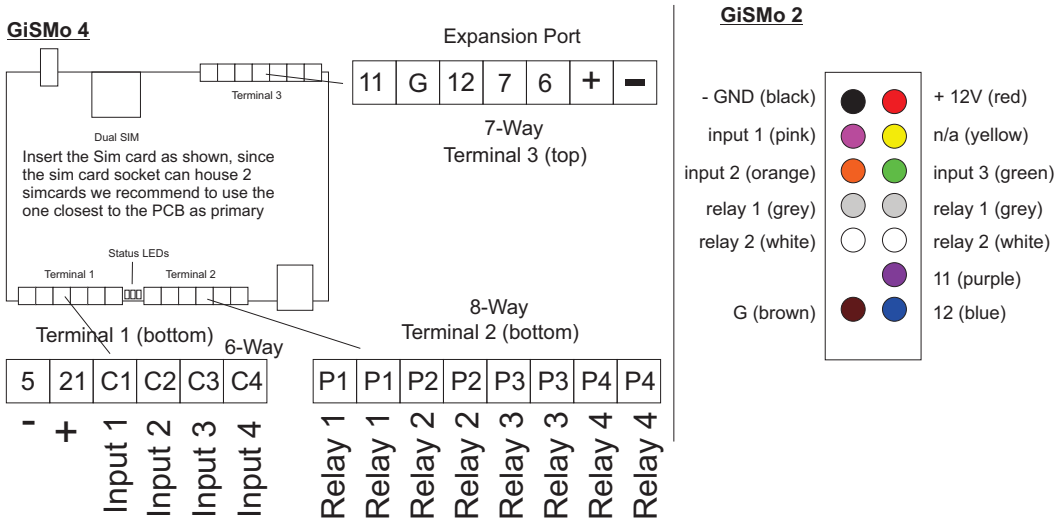
	Programming						Remote control receiver	Dual Sim
	SMS	USB	12/24V	Inputs	Outputs	Modules		
GiSMo 2	●		●	2	2 (n.o 0.5A)	B,K	●	
GiSMo 4	●	●	●	4	4 (n.o/n.c 3A)	B,K,I		●

Modules: B - bRed 2 button intercom
K - KeyPro access control keypad
I - I2000 Intercom keypad and access control

Programming and event logging via web

Both GiSMo 2 and GiSMo 4 can be enabled to be managed via website. Speak to your sales representative to get your device registered for online management. **Note: Dual SIM can only be used with the online version**

Connections



Start up

The GiSMo must have a power supply that can handle up to 2A spikes form 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 programmer (GiSMo2) or 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

CHANGING INPUT NAME DESCRIPTIONS

Format: 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)

Examples *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)

INPUT OPTIONS:

NRTI=X : X = Non Restore Time in 20ms
TTIM=X : X = Trigger Time in 20ms

INPUT MONITORING SMS (SMS on input trigger)

Format: *2222 ADDS=XXXXXXXXXX,A,B,C

XXXXXXXXXX = Telephone number
A = 0 (always unit 0)
B = Position (Max 8)
C = Input number (1 or 2 or 3, blank for all)

Example: *2222 ADDS=27821231234,0,1,2
This will add the selected telephone number to SMS when Input 2 is triggered

INPUT MONITORING DIALING NUMBER (Call on input trigger)

Format: *2222 ADDD=XXXXXXXXXX,A,B,C

XXXXXXXXXX = Telephone number
A = 0 (always unit 0)
B = Position (Max 8)
C = Input number (1 or 2 or 3)

Example: *2222 ADDD=27821231234,0,1,3
This will add the selected telephone number to be called when input 3 is triggered

Note:
in these two examples the user function will be replaced because the same user number is specified for a new function

DELETING INPUT SMS/DIALING NUMBERS

DELN=0,0,X X = The User number

Example: *2222 DELN=0,0,3
This will delete the SMS number at position 3

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ADDING MISSED CALL NUMBERS

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
SMS Format: *2222 ADDN=27821231234,123,3,1

This will add 27821231234 as unit 123, user 3 for missed call on relay 1

DELETE MISSED CALL NUMBER

DELN=0,123,3 Delete telephone number for unit 123 user 3
DELT=27821231234 Delete number 27821231234

SETING RELAY OUTPUTS

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 PUL=1 Pulse Relay 1**

OTHER SYSTEM COMMANDS

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

ADVANCED NUMBER MANAGEMENT SETTINGS

INPUT MONITORING NUMBERS

SMS Format: *2222 ADDI=XXXXXXXXXXX,A,B,PPMMDD,TT,DUR
X = Telephone number
A = 0 (always unit 0)
B = INPUT ACTION (1-9)
PP = INPUT NUMBER HEX NUMBER REPRESENTING THE INPUT (0x06 = 0110 = INPUT 2 and INPUT 3)
MM = MONITOR TYPE (LOW,HIGH,TRIGGER,NON-RESTORE) HEX NUMBER
DD = ACTION (SMS,DIAL,RELAY1 ON,RELAY1 OFF,RELAY2 ON,RELAY2 OFF)
TIME= ACCESS TIME (HOURS 0-23)
DURATION = ACCESS DURATIOn HOURS

DELETE INPUT MONITORING

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

NUMBER MANAGMENT

SMS Format: *2222 ADDN=XXXXXXXXX,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)

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GiSMo

GSM/GPRS Programmable Communicator