GiSMo-G mini
GiSMo-GA mini

GSM/GPRS Programmable Communicator

Description:

The GiSMo G mini is a programmable GSM GPRS/SMS communicator with 4 inputs and 4 outputs.

The GiSMo GA mini the same as the above however it has audio added for the function of intercom.

Once an input is triggered it will communicate the activation and restoral to the cloud server.
If the function is programmed, instead of sending a signal to the cloud, the respective phone numbers are called in sequence.

The inputs can be positive or negative trigger (see below for configuration)

This notification can be received on the Mobile APP: MissionControl Mobile (Android & iOS)

The outputs are controlled via SMS as well as Missed Call.

Connection Diagram:

Note: Invert Inputs

When changing between positive and negative trigger inputs, set the jumpers as per the figure and without any external signal to the inputs (disconnect inputs) apply power to the GiSMo whilst holding down button B2 for 2 seconds.

This will invert the "HIGH/ALARM" and "LOW/RESTORE" message sent to the platform.

By default inputs are set to positive trigger
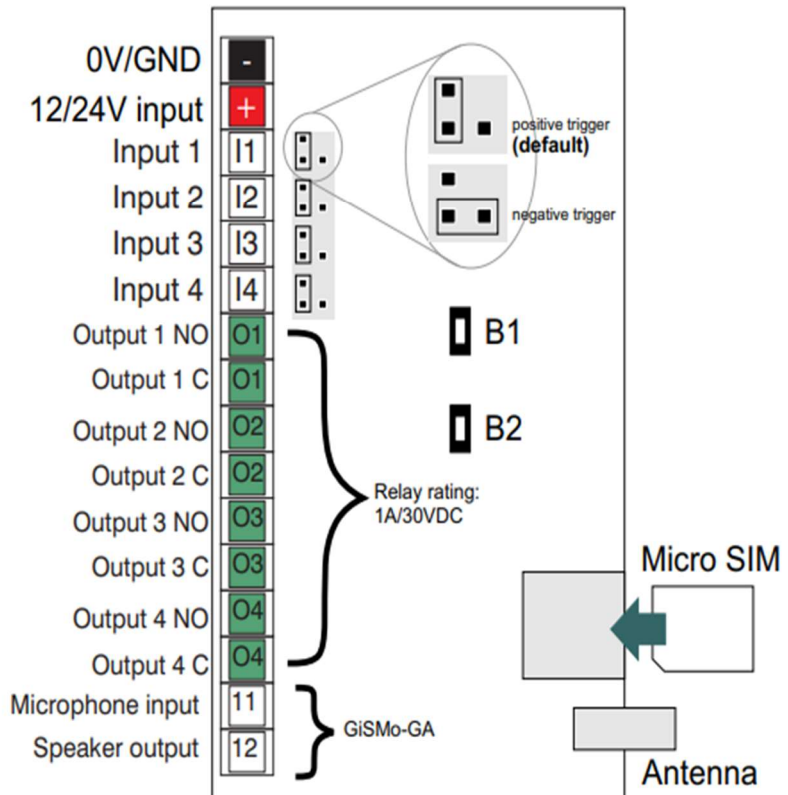
Start up

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.

The GiSMo is operational when the green and blue LEDs flash slowly.

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 must be sent as UPPRECASE

Resetting

Hold down both buttons and apply power, continue to hold the buttons for 5 seconds and the green and red LEDs will begin to flash fast, release the buttons when the LEDs begin to flash slowly - the device password and system settings will be reset.
To additionally clear the number list hold down the buttons for a further 5 seconds while LEDs are flashing slowly and then release.

Input Monitoring (APP)   NB!

To monitor inputs to mobile phone app please send the SMS command *2222 ONLINE
This will enable the device to connect to the cloud and send notifications to the APP

All input status changes are sent to the cloud server. Please download the MissionControl Mobile App to receive notifications on the inputs status changes.

Please scan the QR code to navigate to the download link for Android and Apple iOS

MissionControl Mobile

MissionControl Mobile
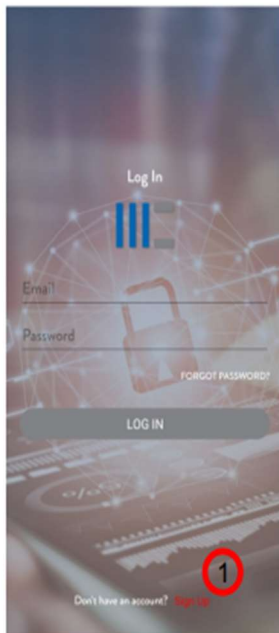
Step1: Download register and sign in to MissionControl
Step2: Click the "+" in the top right of the App once you have logged in
Step3: Enter in the IMEI of the device, found barcode stick on the GiSMo
Step4: Enter 0000 as the Hash
Step5: Click the "ADD DEVICE" button

Your notifications will displayed under the "ALERTS" Section of the App

Output Tiggering (SMS)

Each of the outputs may be turned ON, turned OFF, or pulsed. The format of the SMS is:

Turn ON or Turn OFF
*2222 SET[A]=[B]

[A] is 1,2,3 or 4 for inputs 1-4
[B] is 1 for ON and 0 for OFF

Examples
*2222 SET2=1 This will turn on Relay 2
*2222 SET4=0 This will turn off Relay 4
*2222 SET1=1 This will turn on Relay 1

Pulse Output
*2222 PUL[A]

[A] is 1,2,3 or 4 for inputs 1-4

Examples
*2222 PUL1 This will pulse Relay 1
*2222 PUL2 This will pulse Relay 2
*2222 PUL4 This will pulse Relay 4

Pulse Output during call

To trigger relay 1,2,3,4 press
1,2,3,4 respectively on your
phone keypad during the phone
call (intercom).

Number programming

Relay 1 and Relay 2 may be triggered by use of missed call. When a user's number is added to the missed call list.
Calling the GiSMo from these numbers will optionally trigger relay1, relay 2.
If Auto answer is selected the call will be answered alternatively the call is hung up (see below for programming)

Voice Call (intercom)
Additionally in the case of intercom if the an input is triggered the GiSMo will perform a voice call instead of reporting the input

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IMPORTANT!

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

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Adding a number (missed call and intercom dialing)

*2222 ADDN 27821234123,[Z],[XXXXX]

27821231234   This is the telephone number calling the unit
[Z] is the memory position - use 0 to add to the next available position

[XXXXX] - These are the permission of the telephone number 1 or more can be used at a time
1 - Call this number when Input 1 is triggered
2 - Call this number when Input 2 is triggered
3 - Call this number when Input 3 is triggered
4 - Call this number when Input 4 is triggered
A - Trigger Relay 1 when this number calls the unit **(missed call)**
B - Trigger Relay 2 when this number calls the unit **(missed call)**
C - Auto Answer the call

Examples:
*2222 ADDN 27821231234,0,1A   - Call this number when input 1 is triggered and trigger relay1
       when this number calls the GiSMo

*2222 ADDN 27821231234,0,2   - Call this number when input 2 no missed call triggering
*2222 ADDN 27821231234,0,A   - Trigger Relay1 when this number calls the unit
*2222 ADDN 27821231234,0,B   - Trigger Relay2 when this number calls the unit
*2222 ADDN 27821231234,0,3BC   - Call this number when input 3 is triggered, trigger relay2
       when this number calls the GiSMo and autoanswer the call.

Delete a number:
*2222 DELN 27821231234

Clear All numbers
*2222 CLRN

Note on calling multiple numbers:
More than one number can be programmed for the same input. Should the person not answer, or hangup, the second number will be called. The numbers are called in the order that they are added or in the order of the memory position (lowest first to highest)
Once the call is answered no further numbers will be called.

KJ'S
INSTRUMENTS

System commands

Relay Pulse Time:
*2222 PTIME [A] [B] [C] [D]   - [A] [B] [C] [D] each is a two-digit number from 0-99 representing the pulse time in seconds. If 0 is used it is 0.5seconds (default). **PLEASE NOTE THE SPACE IN BETWEEN [A] [B] [C] [D]**
[A] - Relay 1   [B] - Relay 2   [C] - Relay 3   [D] - Relay 4

Example: *2222 PTIME 00 02 05 10   Relay1=0.5s Relay2=2seconds Relay3=5 seconds Relay4=10 seconds

Set hangup time:
*2222 HANG [A]   - [A] is the hangup time in seconds default 25

Airtime retrieval
The airtime response will be sent to the number requesting it.

*2222 NETW [XXXXX]   - [XXXX] is the USSD command to retrieve airtime such as *136#

Example: *2222 NETW *136#

Offline mode
*2222 OFFLINE - should we wish not to use airtime to communicate to cloud server the GiSMo can be put in an offline mode where airtime is only used for phone calls.

Online mode
*2222 ONLINE (default is on) - in online mode the GiSMo will push any inputs triggered to cloud server to be received on the MissionControl Mobile App

Online mode APN
*2222 SETTINGS apnname   - (default is internet)

Online mode MQTT server, user, password
Please contact us for 3rd party integration for monitoring and control.

Wiring for 2 button Intercom