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AGM Advanced
GSM/GPRS Module

**Universal Version
User Instructions**



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1.Introduction

RISCO Group's AGM, Advanced GSM/GPRS Module Universal version, is a cellular communication module, enabling your security system to communicate through the cellular GSM/GPRS network. Using the AGM you can receive status events reports by SMS, Email or short voice messages, in addition to the reports established to your monitoring station. In addition, the AGM enables you to perform remote control operations using simple SMS commands.

2.SMS Operations

The AGM can be controlled by SMS commands.

For higher security, the AGM can be configured by your installer to receive SMS remote control operations only from predefined Follow Me telephone numbers, by using the Caller ID feature of the GSM network.

2.1 SMS Command Message Remarks

- ◆ For security reasons, a 4-digit authorization code has to be used to perform the SMS commands. (Default code is 1234)
- ◆ SMS operations for Output Control, Input Control, Defining Follow Me number and Reset SIM Counter can receive a reply SMS from the AGM. To receive a reply SMS add [!] after the code (before the command).
Example: **1234 ! UO ON 1**. The reply message will be **UO1 Activated**
- ◆ SMS commands are not case sensitive.
- ◆ In the SMS command, spaces may be used but are not required.

2.2 SMS Operation Commands

AGM Output Control	
The AGM can support the operation of 4 utility outputs, for example, to open a gate or activate lights. These outputs can be defined by your installer to be activated automatically or by SMS.	
Activating an output: The command UO ON is used to activate an output	SMS Structure: [Code] [UO] [ON] [UO No] Example: 1234 UO ON 1
Deactivating an output: The command UO OFF is used to deactivate an output.	SMS Structure [Code] [UO] [OFF] [UO No] Example: 1234 UO OFF 1
Input Control	
The AGM has four inputs (to which sensing devices can be connected). These inputs can be defined by your installer to be enabled 24 hours or by SMS command (Arm/Disarm type). By default, inputs defined as Arm/Disarm are not activated (Disarmed)	
Inputs Arming The command A enables to activate (Arm) all inputs defined as Arm/Disarm type.	SMS Structure [Code] [A] Example: 1234 A
Inputs Disarm The command D enables to deactivate (Disarm) all inputs defined as Arm/Disarm.	SMS Structure [Code] [D] Example: 1234 D
Defining Follow Me Destinations	
The AGM enables to report events to 8 follow me destinations by SMS, voice or Email. Using SMS commands you can change a follow me phone of any of the 8 follow me numbers.	
Change Follow Me Phone The command FMPHONE followed by the command NEW enables to define a new phone to any of the 8 follow me destinations.	SMS Structure: [Code][FMPHONE][FM serial number 1- 8][NEW] [New FM Phone] Example: 1234 FMPHONE 3 NEW 0529692345

Prepaid SIM Card Control	
Get Credit Level By sending the command CR the AGM will send the current credit left in your prepaid SIM card, as given from your provider.	SMS Structure : [Code][CR] Example: <i>1234 CR</i>
Reset SIM Counter After charging the SIM card send a RESET command to set a new expiry time for your SIM. Your installer predefines the expiry period.	SMS Structure: [Code][RESETSIM] Example: <i>1234 RESETSIM</i>
Diagnostics	
AGM Status Sending the ST command to the AGM will return the status of the AC power, battery status, phone line status and GSM signal level.	SMS Structure: [Code][ST] Example: <i>1234 ST</i>
Outputs Status: The STO command is used to read the current outputs status (Activated / De-activated)	SMS Structure: [Code][STO] Example: <i>1234 STO</i>
Input Status: The STI command is used to read the current input status (On-Triggered / Off – Not triggered)	SMS Structure: [Code][STI] Example: <i>1234 STI</i>
AGM Time and Date	
Receiving AGM time and date	SMS Structure: [Code][CLK] Example: <i>1234 CLK</i>
Changing AGM time and date	SMS Structure: [Code][CLK][dd/mm/yy,hh,mm] Example: <i>1234 CLK 10/12/06,12,30</i>

2.3 CLIP Control

If defined by your installer you can activate utility output one (UO1) from any follow me number authorized with this function, without being charged for a call from this phone to the AGM. To perform this operation, call the AGM and hang up after 1 or 2 rings (depending on the network provider). During this time, the AGM recognizes the telephone number and activates output 1.

3.Events Reporting

The AGM can send report messages by SMS, Email or voice message. Your installer defines the events and the reporting type for each follow me destination.

3.1 SMS Messaging

The AGM can send predefined SMS event messages to Follow Me telephone numbers. The SMS is sent in the following format:

Message structure:

[System Label],
[Time],
[Event]

Example:

Security System
10:28
Intruder Alarm
Front door

3.2 E-mail Messaging

The AGM can E-mail event messages to e-mail addresses (predefined by the installer) using the GSM/GPRS capabilities. In order to do so, the GPRS channel should be activated on the SIM.

3.3 Event Voice Messaging

The AGM enables to transfer audible reports (using a Plug on Voice Module) over the GSM network, by playing up to 4 pre-recorded messages. The length of each message is up to 10 seconds long and is played whenever the phone has been picked up at the other side of the line. Each voice message can be assigned to multiple events, as defined by your installer.



Important:

When receiving a voice message report you can acknowledge the receipt of the message and stop dialing to the current follow me number by pressing the DTMF digit "1".

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RISCO Group is committed to customer service and product support. You can contact us through our website (www.riscogroup.com) or as detailed below:

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