



GECON LITE PLUS

&

GECON - 7

INSTALLATION INSTRUCTIONS

NOTICE:

The device complies with STN EN 55022, class A. It is intended to be connected to a control panel that complies with STN EN 60950.

Handling the device in other ways than described in these instructions may lead to non-functionality. Do not modify or attempt to repair the device yourself. Leave the device repair to a qualified specialist. To reduce the risk of fire and damage to the device, do not expose the device to moisture, water or direct heat sources!

Table of Contents:

Basic Information	3
Technical Specifications	3
Wiring Diagram	4
Installation	5
Device Setting	6
Current Setting	6
Phone Number Setting	7
Input Logic	8
Additional Functions	8
Routing Messages to Phone Numbers	8
Delay of Inputs	9
Alarm Filtering	9
Text Setting	9
Password Change	10
RELAY Function Setting	10
Periodic Test	11
SMS Report	11
GSM Key Function	11
Practical Example	12
Online Printing	13
Programming via SW	15
Voice Messages	16
SMS Programming Tables	17-18
Factory Reset	19

Basic Information

GECON is a GSM communicator used to transfer predefined information/events via the GSM network in the form of a voice message, text message and ringing.

Examples of use

GECON is a universal device; for example, it can be used for:

- property protection – by connecting with a security systems /ESS/, it may send alarm messages, inform about a system status and differentiate the type of alarm (through ringing, a voice message or a text message);
- remote control – via text message, it controls 1 electric appliance (1 relay), directly on a motherboard, and an additional 3 appliances (3 relays) with an expansion module;
- technological device monitoring – the device can inform about power failure, heating, etc.

Technical Specifications

Number of inputs: 4 + 3 - unbalanced

Operating input modes: alarm/status

Number of outputs: 1-relay + 3 x - programmable output open collector 200 mA maximum (applied voltage cannot be higher than the supply voltage)

Nominal supply voltage 8 to 18V DC

Quiescent current consumption 25 mA at 12V

Maximum current consumption 250 mA at 12V

Operating temperature -10 to +55 °C

RELAY maximum switching voltage 30V

RELAY maximum switching current 0.5 A

The device includes a GSM module for GSM 900/1800/1900 network.

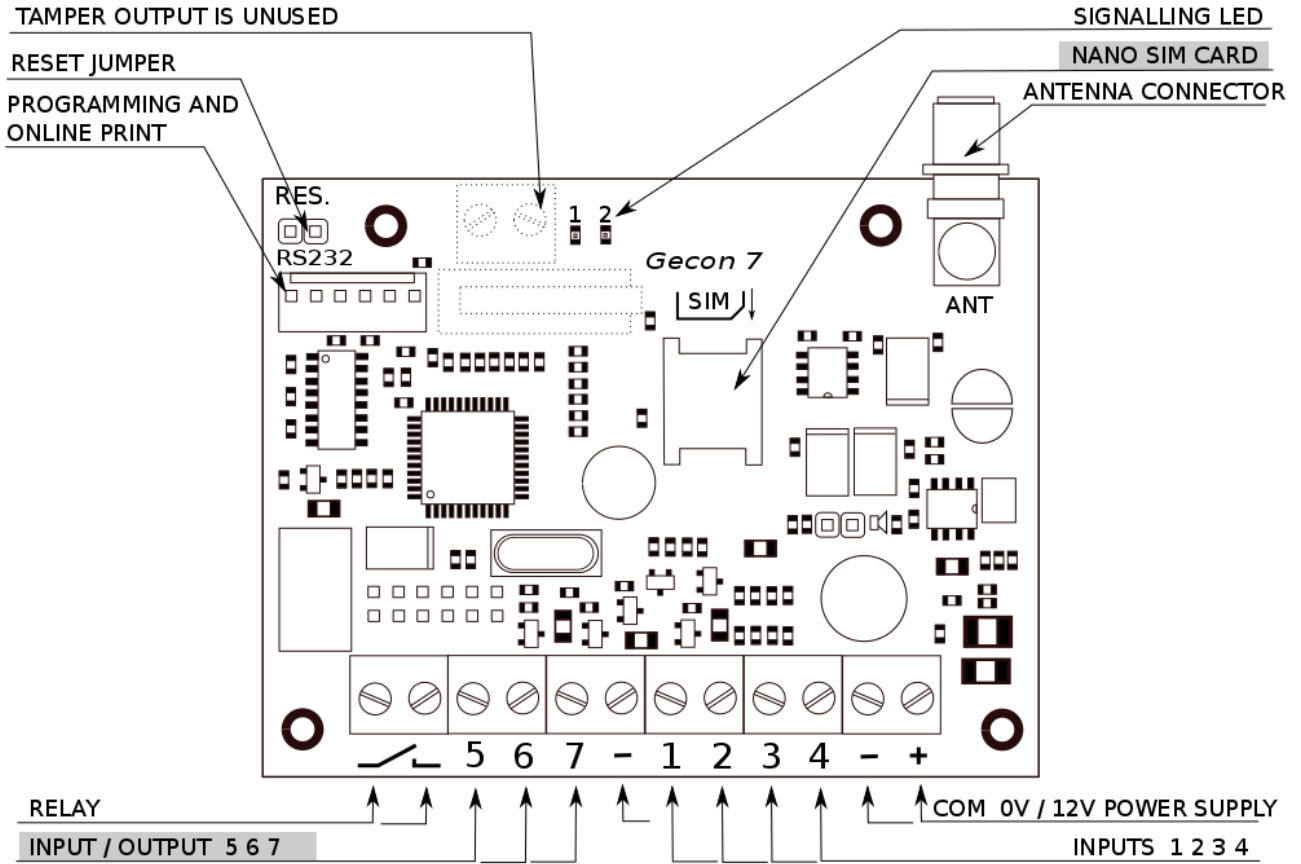
Package Contents

Included is a GSM communicator GECON - 7, instructions, warranty card, 4 pcs of stick-on holders, GSM antenna

Optional Accessories

- Output module 3 x relay 250 V/6 A
- Programming cable, CD with programming software
- Mounting box with a transformer and UPS
- External antenna 3 dB, 5 dB
- Plastic Box

Wiring Diagram



Installation

GECON is fastened to the desired location using the included stick-on holders or screws (not included). Never place GECON in a metal box of a control panel without bringing out an external antenna!!! (The built-in antenna would become non-functional.) Placing it in a metal box is only possible if you use an external antenna together with antenna reduction. External antenna may also be used for areas with a weaker signal.

CAUTION!!!

Turn the protection PIN on your SIM card off and delete all text messages and place the SIM card into a communicator during installation.

Turning SIM card PIN code off

Insert the SIM card into a mobile phone and turn it on. If the card requires a PIN code, enter it. In the phone settings, find security settings and disable the PIN code. The SIM card is ready for configuration. Turn the phone off and remove the SIM card.

Turning GECON On

- 1) Insert the SIM card into the communicator.
- 2) Connect the communicator to voltage.
- 3) Automatic registration to the GSM network is under way. If the registration is not completed after 60 seconds (see 'LED 1 status indication'), check the SIM card and GSM network availability.
- 4) If it is registered, the communicator is ready.

Status indication LEDs:

- LED 1 regular flashing (at a one-second rhythm) – unavailable GSM network (not registered)
- LED 1 short flashing (one flash every 4 seconds) – registered into GSM network
- LED 1 steady light – event detected at the input (alarm/status), the device sends a text message and rings the phone numbers according to the settings. If the LED lights up only for a short time (2–5 seconds), phone number or routing events for the input is not set.

- LED 2 steady light – indicating GECON – 7 mode is on (G7 = ON)
- LED 2 fast flashing – output short circuit indication
- LED 2 flashes twice – or LED 2 goes out – indicating a received text message with a correct password
- LED 2 flashes once – or LED 2 goes out – indicating a received text message with an incorrect password

GECON LITE PLUS/GECON - 7

If you want to use GECON - 7 in the GECON LITE PLUS version, you do not need to read on, everything will work as in the original mode as it is GECON factory setting.

To use the improved GECON7 version, send a text message: **abcd G7=ON**
To return to the GECON LITE PLUS version, send a text message: **abcd G7=OFF**

If the setting or function is different, the differences will be marked as follows:

GECON LITE PLUS G7=OFF	Gecon7 G7=ON
Description of settings or behaviour for compatibility with the old version	Description of settings or behaviour for the extended version

Notice:

In order to improve the utility of the communicator, adjustments were made to extend its capabilities, while maintaining its compatibility with the previous GECON LITE PLUS version, including the setting software. Functions requested by our customers were added.

The following functions were removed or changed:

1. GECON LITE in the function of a small control panel is not supported in the GECON - 7 version
2. Classic SIM card holder was replaced with 'nano' SIM card holder
3. TAMPER terminal and TAMPER contact were removed (both can be added upon request – their location is elsewhere, see the diagram)
4. LED output is removed
5. Prefix in online printing is '\$'.

Device Setting

GSM gateway that allows different types of traffic, it is therefore necessary to set some parameters according to customer needs.

- 1 Phone numbers for reporting events
- 2 Input logic NO/NC
- 3 Type of input ALARM/STATUS
- 4 Additional functions

For convenience, GECON is set via text messages from your mobile phone. For a higher security level, the access to the configuration is conditioned by access password which every text message must begin with. This password is set to **abcd**. We recommend changing the password. GECON is designed so that it does not matter whether you type the password or commands in uppercase and lowercase.

Current Setting

The following commands are query commands, i.e. once they are received by GECON LITE PLUS, it creates an appropriate response and sends it to the phone number which the command was sent from.

VER - information on the device version
PHONE - information on the desired phone number
TEXT - information on the text setting
SETUP - information on other parameter setting
WPRINT - information on dictionary for online printing (sends 2 text messages)
HELP - lists all query commands (HELP VER SETUP PHONE TEXT WPRINT ?)
? - information on the current status of inputs and relays

Example: abcd SETUP

Note: While the setting text message may contain multiple commands at the same time, the above commands must always be at the end of a text message and only one such command can be used in one text message.

Added Functions

- extended by another three inputs/outputs, GECON - 7 now has 4 inputs + 3 reversible outputs/outputs
- an option to record voice messages separately for each alarm input /seven in total/

Phone Number Setting

GECON LITE PLUS G7=OFF	Gecon7 G7=ON
has a capacity of 4 phone numbers for notifying the owner. T1=09..... . . T4=04....	has a capacity of 8 phone numbers for notifying the owner. T1=09..... . . . T8=04....

Example:

abcd T2=0901222333 T1=# T4=0975123456 – sets the second and fourth phone number, deletes the first phone number.

If you need to delete any number from the list, enter the command for setting and use # sign instead of the number.

The abcd PHONE command returns phone number setting to SMS.

Setting phone number automatically sets the routing of events from all inputs to this number. The routing of these messages can be changed (see 'Additional Functions').

Using the commands: see page 11 – Practical Example

Input Logic:

Digital input can have two statuses: closed/open. It is therefore necessary to determine the input logic to make it clear which status is normal and which is the alarm or fault. In terms of security equipment, NO and NC are the most common terms.

- NO – normal open
- NC – normal close

The input logic is changed by the LOG command by defining a normal status for each input after an equal sign (=):

- O – normal open
- C – normal close

The order of the O/C symbols after the sign (=) determines the sequence of set inputs. This means that the first letter defines the setting of the first input, the second of the second input, etc.

GECON LITE PLUS G7=OFF	Gecon7 G7=ON
It has 4 inputs; set as: abcd LOG=OCCO	It has 7 inputs, set as: abcd LOG=OCCOCOO

Example:

abcd LOG=OCCO - 1st input is normally open NO
 - 2nd input is normally closed NC
 - 3rd input is normally closed NC
 - 4th input is normally open NO

Using the commands: see p. 11 – Practical Example

Input Type Setting

Digital inputs can fulfil two functions: report information on alarm or fault or recovery. An alarm is reported by a text message to and ringing the predefined phone numbers. Recovery after alarm is not reported. A fault is reported by sending a text message. After removing the fault, the recovery is reported by text message.

Setting is made using the IN command by defining the type for each of the 4 inputs after the equal sign (=):

- A – alarm input
- T – status (fault) input

The order of the A/T symbols after the sign (=) determines the sequence of set inputs. This means that the first letter defines the setting of the first input, the second of the second input, etc.

GECON LITE PLUS G7=OFF	Gecon7 G7=ON
It has 4 inputs; set as: abcd IN=AATA	It has 7 inputs, set as: abcd IN=AATAATA

Examples:

- abcd IN=AAAA - All inputs are alarm.
- abcd IN=ATTT - The first input is alarm,
 the others are status (fault).

Using the commands: see p. 11 – Practical Example

Additional Functions

They specify or slightly modify the basic GECON behaviour.

Routing Messages to Telephone Numbers

By default, all events (alarms/ faults) are reported to all phone numbers on the list. This can be changed so that the phone number will be informed only about the events of the listed inputs. Thus, messages can be divided according to their type and importance.

GECON LITE PLUS G7=OFF	Gecon7 G7=ON
Routing 4 inputs to 4 phone numbers	Routing 8 inputs to 8 phone numbers
VT1=1234 - T1 will be informed about events at all inputs	VT1=1234567 - T1 will be informed about events at all inputs
VT2=34 - T2 will be informed about events at input 3 and 4	VT2=34 - T2 will be informed about events at input 3 and 4
	VT5=27 - T2 will be informed about events at input 2 and 7
VT3=5 - T3 will be informed about events at online printing input	VT8=8 - T3 will be informed about events at online printing input

Example:

abcd VT1=2 - report events from only input 2 to phone number T1

Note:

Each new setting of the phone number (commands T1 ... T4 or T8) restores the original setting of routing reports to the relevant phone number (VT1 ... VT4 or up to VT8) to the value of 1234 or 5 to 7. This means that the phone number must be defined first and then the routing of messages can be changed.

Delay of Inputs

It is desirable for some applications that the event is reported only if it lasted longer than the specified time. It is thus possible to filter out events that do not affect building protection.

For example, it is not necessary to report power failures immediately in most cases. It often happens that blown circuit breakers are restarted immediately and all is well. Such a short failure (for a few minutes) does not need to be reported. A failure that lasts longer, for example 30 to 60 minutes, should be reported. Input restoration is reported immediately, irrespective of the set delay. Input delay is normally set to 0 minutes, i.e. the input reacts immediately. The maximum delay may be 120 minutes. You can set it up as follows:

GECON LITE PLUS G7=OFF	Gecon7 G7=ON
Delay of inputs 1 to 4	Delay of inputs 1 to 7
D1=time - delay of input 1 to the alarm or fault by time indicated in minutes - input restoration is reported immediately	D1=time - delay of input 1 to the alarm or fault by time indicated in minutes - input restoration is reported immediately
.	.
.	.
D3=...	D6=...
D4=.	D7=.

Example:

abcd D2=30 - input 2 will respond to events that last longer than 30 minutes.

Alarm Filtering

It is an intelligent GECON function for saving credit of the SIM card. When the filter is set, filter timer [in minutes] is set following the occurrence of an alarm during which all other alarms on a given input are ignored. This allows sending only one alarm in 15 minutes, for example. It saves credit and does not block phone lines of the customer and allow them to make calls. By default, this feature is disabled, i.e. it is set to 0 minutes. The maximum filter time can be set to 60 minutes. The filter works for each input separately, but has one common setting for all inputs. The filter does not affect the fault (status) inputs.

Example:

abcd F=15 - setting the reporting interval between new alarms to 15 minutes.

Example:

abcd F=0 - alarm filter turned off.

Text Setting

GECON LITE PLUS uses predefined texts for text messages that indicate what type of event has occurred. You can change these texts yourself. To see the current setting of texts, send a query command (TEXT) on the GECON LITE PLUS phone number.

GECON LITE PLUS G7=OFF	Gecon7 G7=ON
AL1 ... AL4 - texts for alarm/fault messages of inputs 1 ... 4	AL1 ... AL7 - texts for alarm/fault messages of inputs 1 ... 7

RE1 ... RE4 REP	- recovery messages at inputs 1 ... 4 - SMS text report	RE1 ... RE7 REP	- recovery messages at inputs 1 ... 7 - SMS text report
--------------------	--	--------------------	--

Example:

abcd TEXT - information on the current setting of text messages

Response from GECON will include the designation of building or event types and the respective current settings of test messages are written after the equal sign (=):

OBJ - building name

Custom message is set by entering the message type and assigning the text ended with # after the equal sign (=). The maximum length of the text is 15 characters.

Example:

abcd AL1=message1# - setting of the alarm message of input 1

abcd RE3=message2# - setting of the recovery message at input 3

If you do not want to send any of the messages, it can be easily deleted. Deleting it is done by specifying the type message in a text message and assigning it only the # sign.

Example:

abcd RE4=# - deleting message RE4

Using the commands: see p. 9 – Practical Example

Password Change

The Login password can be changed and the change is recommended for safety reasons. This password is set to **abcd** by default.

H= - command to change your password

Example:

Change the abcd factory password to pqcr while requiring a confirmation of the command execution. Send GECON the following text message:

abcd H=pqcr SETUP

RELAY Function Setting

GECON has one switching relay which can be used as output. After restart, the relay is open. It can be remotely controlled via a text message or set for the purpose of indicating faults.

R=OFF - open relay permanently
R=ON - close relay permanently
R=TROUBLE - set the mode GSM problem indication mode through relay, the setting is **not related** to fault inputs (the relay is permanently closed if the GSM network is available)
R=10 - generate impulse with the relay for 10 seconds (maximum interval can be 60 seconds), impulse is understood as a change in the current status of the relay to reverse and back.

GSMKEY Function

If you want to use GECON as GSMKEY, a condition is to begin with a TKEY command which is 0 (zero) by default. Thus, it does not appear to the PHONE query and this function is not functional.

It is necessary to have CLIP activated on the SIM card in this case. If the module catches a number that is saved in the list of dialled numbers and has the GSMKEY function set, the impulse on the built-in relay is generated and the call is ended. Setting of numbers to respond to a drop-call is converted by SMS command:

GKEY=157	sets the gsmkey function for 1 st , 5 th and 7 th phone number
GKEY=#	Cancels the gsmkey function for all saved phone numbers (not set)
TKEY=2	time in seconds of how long the GSMKEY impulse will take, the range is 0 to 60 seconds; the function is turned off for the value of 0

Note: If you use the TROUBLE command, the GSMKEY function is disabled!

Use of outputs (for setting G7=ON and G7=OFF)

The output can be activated via a text message in two ways. Separately by text R5/ R6/ R7 = ON or OFF, or en masse by RR = XXX. Where the order of outputs is 567.

Where X is: 1 – output on
 0 – output off

Example:

R5=ON	relay on at output 5
R7=OFF	relay off at output 7
RR=110	mass turning on or off of the relay

Output 6 and 7 is turned on, output 8 is off

Relay with 12V coil can be connected to outputs 5, 6 and 7. Output is open collector. Current load up to 200 mA. The relay should be connected between the + terminal and output 5, 6 or 7. Terminals 5, 6 and 7 should not get higher voltage than the supply voltage. It is therefore unacceptable that the relays would be powered from a source other than the powered GECON 7.

Gecon7	G7=ON
Changed output is transmitted to the relevant input for G7 = ON setting. Switching output 5, 6 or 7 on generates the event on these inputs/outputs – the message on status change at 5, 6 or 7 is received. Therefore, if you do not want to receive these messages, disable routing Vtx of 5, 6 or 7 which are used as outputs.	

Periodic Test

It is an appropriate control mechanism to verify that the communicator is functional and has connection. The test is performed by a defined time of ringing to the first number in the list (T1). If this call is received by the communicator, the connection is terminated immediately. This test should be routed to the GSM central security panel. It is set by command test=time_in_hours. If the time is set to 0, the periodic test off. The first test message is one hour after connecting to power supply and is then performed with a preset period. It is so in order to eliminate ringing during installation or service event.

Example:

abcd test=24 - set of periodic tests with 24-hour period

SMS report:

It serves as a control mechanism of the communicator functionality.

The SMS report message is always sent to the first phone number in the list (T1). It is set by command report=interval_in_days. If the report is set to 0, it is off. The first report message is one day (24 hours) after connecting to power supply and is then performed in the preset interval. It is so in order to eliminate ringing during installation

or service event.

Example:

abcd report=14 - SMS report setting with a period of 14 days

The following text message will be sent to T1: GECON LITE PLUS: report

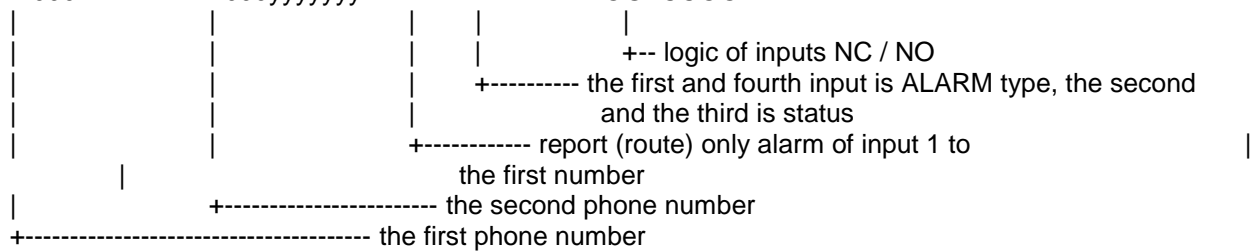
Practical Example

All commands can be combined in one configuration text message and these rules must be followed:

- Each text message begins with a four-digit password
- Query commands must be placed at the end of text message
- Each command is separated by a space

Example:

abcd T1=090xxxxxxx T2=090yyyyyyy VT2=1 IN=ATTA LOG=CCOO



The first input is alarm with NC logic and the second input is fault NC. The alarm is reported to both numbers and power failure only to the first number.

GECON – Online Printing

The Online function is a universal interface for connecting the ESS and GECON. It allows monitoring for a control panel with a detailed evaluation of all events based on the principle of analysing the messages using a dictionary of keywords. The dictionary determines which keywords GECON will respond to. If the dictionary contains the word, the standard response is to send a text message containing the received message.

An additional setting can be marking a priority message, causing the sending of a text message and ringing the customer. Such keyword starts with! (exclamation point).

A special keyword is the cancellation command. It cancels the message that would otherwise be sent. Cancellation word begins with \$ (dollar).

Example

Message sent from the control panel: 10:45 off code 45

GECON LITE would normally send this message containing the keyword 'off' to SMS, but if you set a cancellation command for the word 45, the text message will not be sent.

Configuration SMS

abcd print=on W1=off# W2=\$code 45#

As for the setting of routing these messages, it is normally mapped online as input 5. It is set by the command VT1 .. VT4 /this applies when G7 = OFF/.

GECON LITE PLUS G7=OFF	Gecon7 G7=ON
Online printing is mapped up to input 5	Online printing is mapped up to input 8

To enable the online function, you need to use this command: print=on

To deactivate it: print=off

Keywords can be set using SMS commands w1 .. w16. Each keyword must end with #. The **maximum** length of a single keyword is **15 characters**. The keywords can also be set via a PC program in the ONLINE section.

GECON LITE PLUS is not case sensitive.

Commands for SMS setting:

w1 .. w16 - setting of keywords
print=on - function activation
print=off - function deactivation
BAUD=1200 - serial port speed

Permitted speeds are: 1200, 2400, 4800, 9600, 19200

Example:

- use online to check if the ESS is or is not disarmed

ESS sends ARM and DISARM messages when armed and disarmed.

ALARM for the alarm, FAIL for faults and power failures.

Setting:

abcd print=on w1=!ALARM# w2=ARM# w3=DISARM# w4=FAIL# t1=090xxxxxx vt1=5

Example of online message:

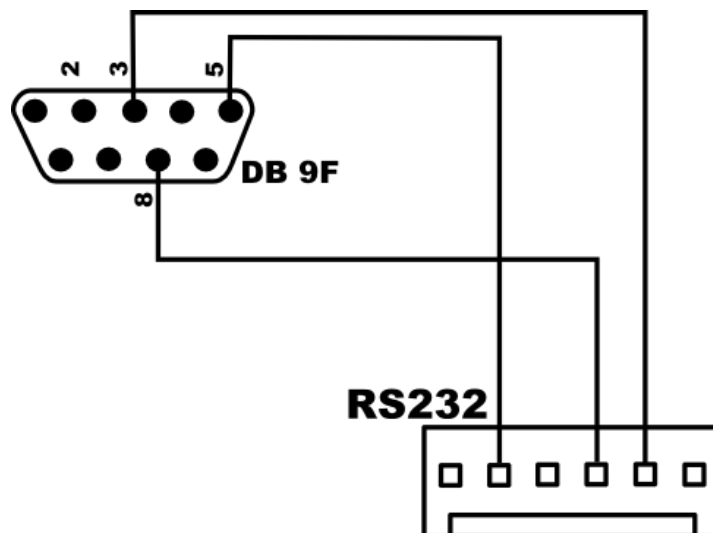
14:25 ALARM PIR-hall

14:26 DISARM Smith

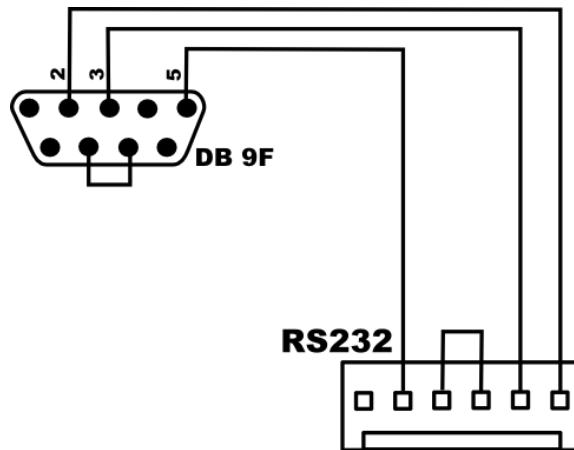
Examples of practical use:

1. Signalling the alarm with exact localization
2. Checking the arming/disarming
3. Monitoring a particular person if they used an access code/card (in case of abuse/theft)
4. Checking the store door opening

Wiring diagram for the Online Printing (view from the soldering side)



Programming via software Gecon 7 v09



Programming procedure:

1. Make sure that the SIM card has the PIN code protection disabled.
2. Insert the card into the SIM holder on GECON.
3. Connect GECON to power.
4. Wait for registration to the network after turning GECON on. It is indicated by short flashes.
5. Connect the programming cable to the RS 232 connector and PC.
6. Start the configuration program, press Download.
7. Configure the program as necessary and confirm by clicking Upload
8. If you want to save the settings, use the Save button and save it to your computer drive.

Note:

The program uses automatic detection of a port, which means it will find GECON itself, there is no need to set anything up.

It is appropriate to use a test table to check the correct setting. It enables visualizing the GECON activity without real calling and sending of text messages, which saves SIM card credit and makes the GECON verification and its possible incorrect setting faster.

In case of online printing configuration, the changes take effect only after disconnecting the programming cable and then restarting GECON (disconnect/connect power supply).

Voice Messages

It works for G7=ON as well as G7=OFF.

GECON - 7 (works also in the GECON Lite Plus version) has a new function of audio messages for each input separately. When activating the alarm input, it will automatically play the specific audio message which is separate for each alarm input.

Command to turn the audio messages on:

abcd AUDIO=ON activates playing the audio messages

If you do not want to play audio messages during an alarm, use the deactivation command:

abcd AUDIO=OFF deactivates playing the audio messages

First, you need to record voice messages. The mode is switched on by sending a text message in this form:

abcd AUDIO=REC

It is now possible to call GECON - 7 for 30 minutes and record or play messages. GECON 7 picks up the call and plays the instructions for recording. The recording mode automatically switches off after 30 minutes; GECON will not pick up calls for recording messages.

GECON automatically picks the call up when you call. To record a new message, press the asterisk (*) followed by the number (1 to 7) of the message you want to record. After you hear the signal (beep) – say the message via your mobile phone. The number of the recorded message corresponds to the input number which the alarm message will be played for. End each of the recorded messages by ending the call. Repeat until you record all messages. Each message can take 30 seconds maximum.

To check the accuracy of the recorded message, you can play each message by calling GECON and pressing the number of message you want to hear on your mobile phone (it is played only once). If the message is empty (there is not a recording) on any position, you will hear a long beep.

To delete any of the messages, call GECON and press hash (#) on your mobile phone and the message number. Confirmation of deletion – a double beep is heard.

AUDIO=REC automatically starts AUDIO=ON mode, i.e. AUDIO=mode does not need to be performed, AUDIO=OFF is used to turn the recording mode off.

Playing of all messages is deactivated by a text message.

Gecon - 7 works as the LITE version, without voice messages. This is factory-set. If the user picks up an alarm call, GECON interrupts the call immediately.

abcd AUDIO=OFF

AUDIO=OFF does not delete the already-recorded messages.

Re-enable the playing and deactivate the recording mode via a text message:

abcd AUDIO=ON

When there is an alarm input and activated AUDIO=ON, the messages are played three times or no longer than one minute.

SMS Programming Tables for Gecon7

H=ABCD H=FERO	Text message password change
VER	Information on FW. v.15c version [may contain additional information]
PHONE	Setting query: phone numbers, call routing, gsmkey
T1=0903xxxx T2=# ...	Setting of phone numbers T1 ...T4 for G7=OFF T1...T8 for G7=ON, Tx=# to delete phone number
VT1=123 VT2=45	Routing inputs to phone numbers
TKEY=5 TKEY=0	Time [s] of GSMKEY relay switching, =0 – turned off
GKEY=134	Which T1 ...Tx are used to activate GSMKEY relay
SETUP	Setting query: input type and logic, delay, filter, test, report, online printing
IN=AATA IN=AATAATA	Setting of input type. 4 inputs for G7=OFF; 7 inputs for G7=ON A – alarm T – tamper
LOG=OCCO LOG=OCCOCCO	Setting of input logic. 4 inputs for G7=OFF; 7 inputs for G7=ON O – normally open C - normally closed
D1=2 D2=5 ...	Setting of delay time [min] for 4 or 7 inputs. From 0 to 120 min
F=5	Filter for alarm inputs [min], alarms of 0 to 60 minutes are sent as the most common; common to all alarm inputs
TEST=0	Time 0 to 240 hours; how often they the test call from T1 is made
REPORT=0	Interval of 0 to 60 days; how often the SMS test report from T1 is made
REP=Report#	SMS report text; up to 15 characters ended with #
PRINT=ON or PRINT=OFF	Online printing enabled/disabled
TEXT	Query for the setting of SMS texts; each text up to 15 characters
OBJ=GECON:#	Building name
AL1=Alarm 1# AL2=...	Alarm text of input 1 to 4 or 7
RE1=Recovery 1# RE2=...	Recovery text of input 1 to 4 or 7 (for T type input)

?	Query for the current status of inputs, built-in relays and GSM signal strength
G7=ON or G7=OFF	Switching of Gecon7 or Gecon Lite Plus versions
IN1=1 IN2=0 ...	Current status of inputs (cannot be overwritten)
R=OFF R=ON R=TROUBLE	Setting of built-in relay: off/on/trouble
RR=110	Output for auxiliary relay at terminal 5, 6 and 7. 1 – output on. If 5, 6 and 7 should be used as inputs, they must be configured as RR=000
R5=ON ... R7=OFF	Output for relay 5, 6 and 7 can be controlled separately
SIG:87%	GSM signal strength (cannot be overwritten) %

WPRINT	Setting of the dictionary for online printing, every word has 15 characters maximum
W1=ALARM# W2=...	Text message is sent based on a given keyword; if the word begins with an asterisk – cancellation, sending cancelled if the word begins with an exclamation point – a call will be made
BAUD=1200	Online printing 8N1 line speed; supporting: 1200, 2400, 4800, 9600, 19200

HELP	Information on query commands HELP VER PHONE TEXT WPRINT ?
------	--

AUDIO=REC	Activation of audio message recording mode for a period of 30 minutes
AUDIO=ON	Activates the playing of audio messages in case of alarm and disables the recording mode
AUDIO=OFF	Deactivates the playing of audio messages in case of alarm and disables the recording mode

Signalling

Red LED1	<ul style="list-style-type: none"> 5 flashing 1:1 unless the GSM is registered in operator network 6 short flashes - GSM registered in operator network 7 steady light when sending messages or input violation
Green LED2	<ul style="list-style-type: none"> – off if G7=OFF – on if G7=ON – flashes once if the text message password is incorrect, twice if the password is correct

Factory Reset

- This function will reset the device to factory settings. Reset should be performed before every installation to eliminate incorrect setting. It deletes the voice messages!

Steps:

1. Disconnect GECON from power supply.
2. Use **RES** jumper.
3. Connect GECON power supply.
4. Signalling LED 1 flashes 10 times and remains lit.
5. Setting is reset.
6. Disconnect the RES jumper.
7. LED 1 goes out, GECON registers.
8. GECON is ready.



Manufacturer:



LUMACOL, s.r.o.
Segnáre 17
841 05 Bratislava
Slovak Republic

Phone: +421 2 207 603 86
info@lumacol.sk
www.lumacol.sk