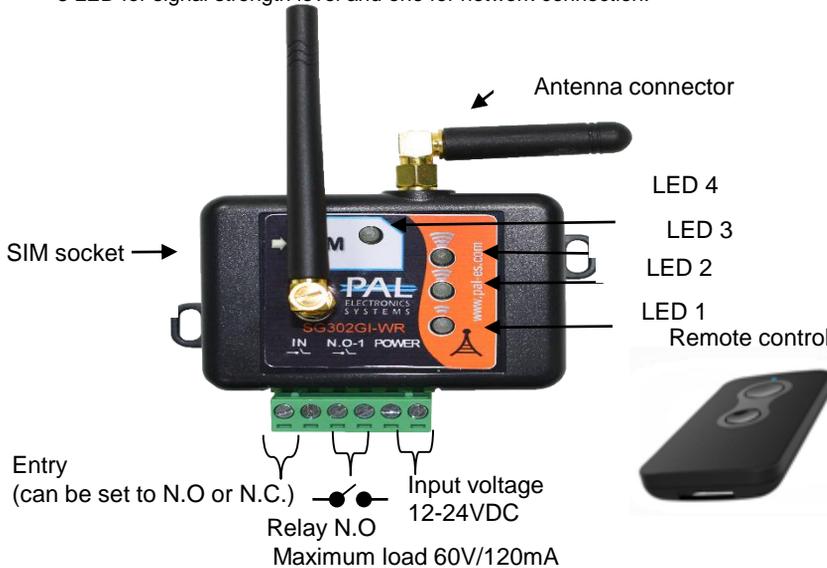# Smart Gate - SG302-GI WR

A GSM operated device that opens gates, garage doors, electric locks and barriers by dialing to the gate / door number.
When the user number is identified as an authorized user the relay will be closed and the gate will be opened.
The unit includes one output – Relay N.O (60V/120mA)
This unit can provide alerts as described below.

Features and Advantages:

• Can be configured by SMS and additionally by web access (yearly payment subscription)
• No cost when dialing to the unit.
• Adjustable relay time
• Very small dimension 70X50 mm
• Can store up to 12,000 users.
• Can store up to 1300 remote controls.
• When a status change is made (N.O to N.C or opposite), SMS will send up to 4 destinations.
• You can set the time from the entry status change until the unit sends the first message alert and the amount of messages you the unit will send.
• The SMS content to be sent can be change (optional).
• It is possible to set the N.O. or N.C. status.
• Optical relay.
• Storing up to 1000 records (Caller log)
• Controlled from any ware.
• 3 LED for signal strength level and one for network connection.

Led display description

LEDs	Explanation
LED 1 blinking	Very poor signal **It is not recommended to work at this state**
LED 1 steady	Low signal
LED 1 steady LED 2 blinking	Mid signal
LED 1 steady LED 2 steady	Good signal
LED 1 steady LED 2 steady LED 3 steady	Very Good signal
LED 4 blinking	Net connection fails or SIM card malfunction
LED 4 steady	Unit is connected to the net and SIM is identified

Antenna connector

LED 4
LED 3
LED 2
LED 1

SIM socket →

Remote control

Entry
(can be set to N.O or N.C.)
Relay N.O
Maximum load 60V/120mA

Input voltage
12-24VDC

Setting up a remote control in the unit

The actions are carried out via an Internet interface, such as:
Insert remote control, delete remote control, setting groups, assigning days, selecting relay to open, and more - are carried out via an Internet interface only (for details, contact the installer).

System settings through SMS :

At the beginning of each message, you must enter a four-digit password first (Default password: 1111).

Enter Authorized User:

First you need to type the password and then **space** and then the letter A **space** and phone number you want. You can also add several users in a sequence.
For example: 1111 A 052321654 or entering a number of users in a sequence up to 10 (1111 A 0523216544,0545417878)

password   User phone number

password   User phone number 1   User phone number 2

Entering an authorized user to the system with limited entries:

First you need to enter the password and then **space** and type the letter A **space** and phone number you want,
Type a **space** and the letter L and the number of desired entrances to that user.
For example: 1111 A 052321654 L4   * In this example after 4 entries,
the number is automatically deleted from the list of approved numbers.

password   User phone number   Number of limited entries to the user

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Inserting an authorized user into the system with the choice of hours of entry:

First you need to type your password, and then make a **space** and type the letter A **space** and phone number you want,
below you type Space and the T signal and the user-approved logon times.
For example : 1111 A 052321654 T08:00-18:25

password   User phone   The authorized hours
            number   for that user

Entering automatically allowed users to the system:

Fill in the list of the authorized in the automatic process, each number that dials the gateway entered the list of authorized automatically, you
can set the number of authorized to enter automatically by the SN - command.
For example :1111 SN 50   * In this example, 50 authorized persons will enter automatically (Unit default).
                                           *This option can be disabled by command 1111 SN 0.

password   The number of users who will log on to the
            system memory automatically

Delete a single user from the unit:

Type your password and then make a **space** and type the letter D **space** and the phone number you want to delete. For
example: 1111 D 052321654

password   The phone number you want
            to delete

Delete all users from the system:

First you need to type your password and then **space** to type the word CLEAR.
For example: 1111 CLEAR

password

Change your unit password:

Type the old password and then **space** and type the letters NP, below the **space** to type the new password.
For example: 1111 NP 3333

Old   New
password   password

Relay closing time change :

Type your password and then **space** , type the letters RD and **space**, type the desired time in seconds.
(Default is one second).   For example: 1111 RD 3   * In this example, the relay will close for 3 seconds

password   relay closing time
            in seconds

Automatic event creation (automatic opening / closing of the relay)

Type the password and then space, type the letters EV, space and operation desired (NO1 / NC1 / N1) space and the hours, space days.
For example: 1111 EV NC1 08: 00-20: 00 1234 * This command will: Close the relay between 08:00 and 20:00 on Sunday, Monday, Tuesday and Wednesday.
1111 EV NO1 08:00-17:00 1234567 * This command will: Open the relay between 08:00 and 17:00 on all days of the week.

* Note - When an automatic event is active the system does not respond to user actions (users will not be able to open the gateway).

Inserting an authorized user into the system and opening by sending SMS:

Type your password and then **space**, type the letter A, **space** and phone number you want, add a comma and the letter C and
password to open the gateway.
For example, to define a user: 1111 A 0523179977,C1234 Message that the user should send to the system to open: CD 1234.

password   Phone number   A password that the user has
            of the desired sent to an open session.
            user

Canceling all automatic events

Type your password and then **space** to type the letters EV, **space** and CLEAR word.
For example: 1111 EV CLEAR This command will delete all events.

Report an event by sending a programmed SMS (INPUT) message:

When a status change is made, the system will send messages to the defined numbers. The input can be set to either N.O or N.C. ,
SMS is given to up to 4 different destinations.
You can choose which SMS content to send (English letters), the number of messages sent and the time difference between them.
Enter the password, then **space** and type the letters IN, **space** and the desired operation no or NC **space** and the letter S and the desired time in seconds
interval and the desired phone number comma plus number etc, exclamation mark (!) And the message you want to send (optional).
For example: 1111 IN NO S3 0521234567! Gate input Active

password   N.O or N.C.   3   Phone number for the   content of the message
                         second message

This command will perform: sending SMS (SMS) after 3 consecutive seconds of an event to the number 0521234567.

*Note: (1The system operates via a cellular network using GSM technology. In this context, the system's performance is dependent on the existence of coverage for GSM
service. Pale Electronics Systems Ltd. is not an end-user to cover the service of the cellular networks, it is the customer's responsibility to ensure that there is cellular
network reception in the GSM technology.
(2The system is not water-resistant and humidity and should be installed in a protected area from water and moisture.
(3Connecting a system to an electric lock requires the installation of a dry relay between the engine and the system or alternatively, a suitable relay system must be
purchased.

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