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EN - PLUG-IN GSM MODULE FOR REMOTE CONTROL OF DOORS

GSM900: Plug-in GSM module for remote control of doors, to be installed into TVPRP868x10x control unit.
The device has a built-in GSM-Quad Band module, suitable for communication via SMS or phone-call.
For a correct installation and use of this product, scrupulously respect the indications laid out in this manual.
The product could produce or be subject to interferences that may influence its performance or the functioning of other devices in the proximity. Read carefully the Safety Information.

1- Product description
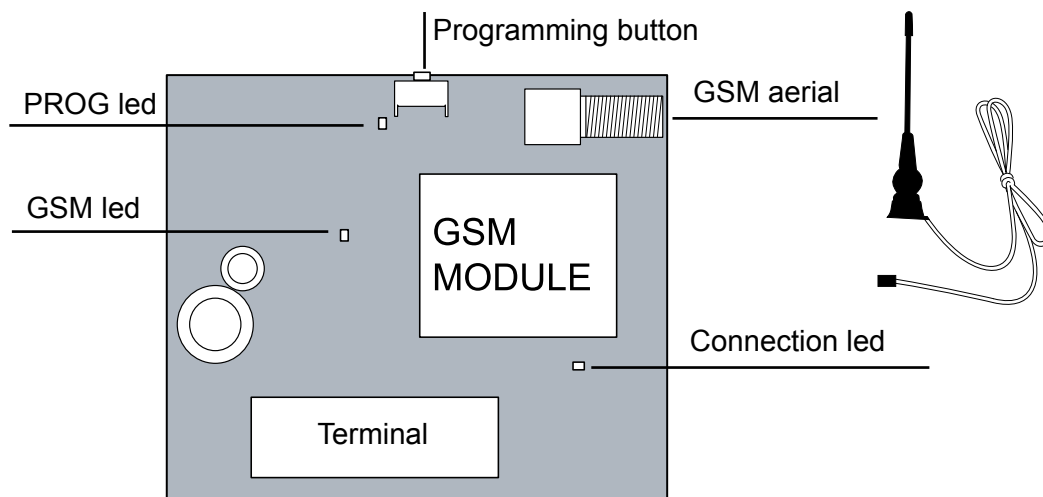
2- Preliminary check

• SIM card must be active and having credit.
• PIN code and the answering service MUST be disabled.
• Do not activate any other additional services, like the incoming calls filter or number masking.

We suggest to try the correct functioning of the SIM by means of a standard mobile phone before starting the installation of the product.

3- Installation

• Insert the SIM in the proper slot of GSM900.
• Install the aerial for the GSM signal reception.
• Plug the module in the proper connector of TVPRP control unit.
• Switch the TVPRP on.
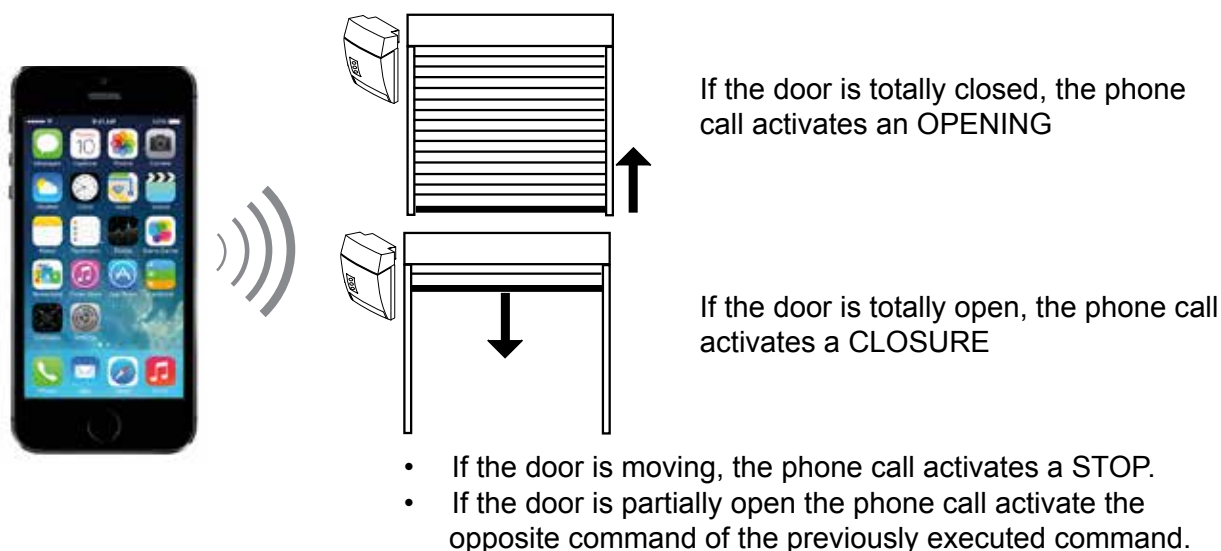• Wait about 30 seconds for the initial startup and the connection to GSM signal.
Connection led quickly flashes during the GSM signal research, then slower once the connection is ready.
GSM led shows the quality of the connection and possible errors:

GSM led	Meaning
Quick flash	Startup of the module (about 30 sec. at the first power-on)
ON (solid)	No GSM signal
4 slow flashes and a pause	Excellent GSM signal
3 slow flashes and a pause	Good GSM signal
2 slow flashes and a pause	Sufficient GSM signal
1 flash and a pause	Poor GSM signal
4 quick flashes then ON (solid)	No SIM card
Slow flashing	SIM card has the PIN code activated

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4- COMMANDS BY PHONE CALL

By means of a free phone call, it's possible to activate an opening or a closure of the door.

If the door is totally closed, the phone call activates an OPENING

If the door is totally open, the phone call activates a CLOSURE

- If the door is moving, the phone call activates a STOP.
- If the door is partially open the phone call activate the opposite command of the previously executed command.

In order to use this function it is necessary to enable the telephone number in the GSM module.

5- Enabling/disabling a telephone number to the function CALL

Enabling a number

PROG led   **within 30 sec.**

1. Press **once** the programming button, PROG led flashes then it turns ON.
2. Within 30 seconds make a call; when the GSM module receives the call PROG led quickly flashes.
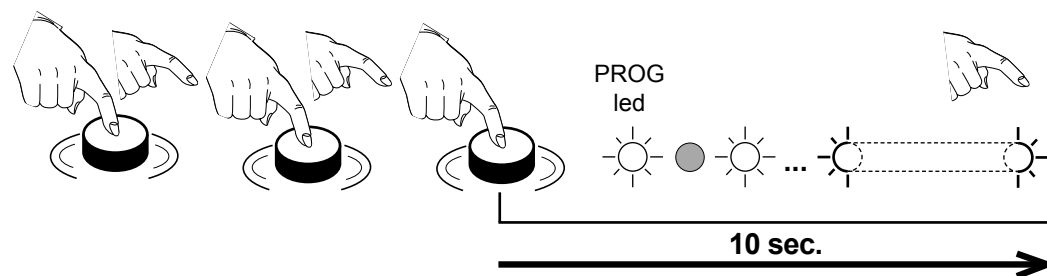3. Hang-up.

Disabling a number

PROG led   **within 30 sec.**
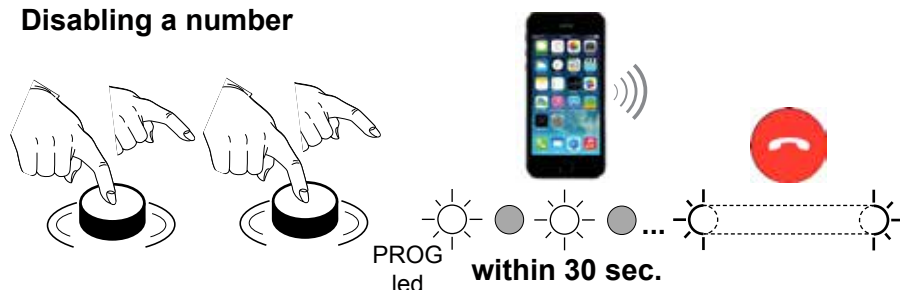
1. Press **twice** the programming button, PROG led slowly flashes.
2. Within 30 seconds make a call from the number to disable; when the GSM module receives the call PROG led turns on.
3. Hang-up.

Note: It is possible enabling/disabling a telephone number even with SMS commands.

5.1- Disabling ALL the telephone numbers

PROG led

10 sec.

Press **3 times** and hold the programming button down for at least 10 seconds; during this lapse PROG led will flash intermittently and quickly, until it will turn constantly on. At the end release the button.

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6- SMS COMMANDS

By means of a SMS it's possible to command the door, check its status, activate some functions or modify system parameters. The default password is "**12345**", but it can be modified with an SMS.

Notes:
- Once the password is modified, if forgotten, it's not possible any restoring of the default one.
- SMS commands are NOT case sensitive.
- If any SMS not reported in the table below is received (e.g., credit info), the device forward the same SMS to the first number memorized in the telephone book.
- According to the standard used in a specific country, it could be necessary write the telephone numbers with the international dialing codes or just with a "0" before.
- The device replies to the configuration SMS with another SMS and a phone call.

Automatic SMS:
The module automatically sends two types of alarm messages to the first number in the telephone book.
1- SMS **"ALARM DOOR"**: this message is sent to the numbers memorized in the telephone book when TVPRP control unit has received a signal from an alarm transmitter (e.g., TVTCTM or TVSSH).
2- SMS **"BATTERY LOW"**: this message is sent to the numbers memorized in the telephone book when TVPRP control unit has received a signal "battery low" from wireless sensitive edge transmitter TCSP240.

In the next table there's the complete list of all the available SMS commands with the relative description:

#	DESCRIPTION	SMS TEXT
1	**CHANGE THE PASSWORD** Syntax: xxxxx is the new password. The command PWD is followed by the valid password. Only numeric passwords are permitted, 5 digits long.	PWD*password*,xxxxx,xxxxx
2	**MEMORIZE A NUMBER IN THE TELEPHONE BOOK** Syntax: x = position in the telephone book (1-8). y = telephone number (max. 19 digits). Notes: the telephone book has 8 positions maximum. The numbers memorized in the telephone book have both alarm calls and SMS activated by default. If a position is already occupied, it is overwritten.	TELx,yyyyyyyyyyyy
3	**DELETE A NUMBER IN THE TELEPHONE BOOK** Syntax: x = position in the telephone book to delete (1-8).	DELx,*password*
4	**LIST OF NUMBERS IN THE TELEPHONE BOOK** The device sends the list of the numbers with their position.	NUM?,*password*
5	**TOTAL RESET OF THE PARAMETERS AND DELETION OF ALL THE MEMORIZED NUMBERS** It completely deletes the memory, restoring the factory settings.	RESET*password*
6	**ACTIVATION OF ALARM SMS FOR A SPECIFIC NUMBER** Syntax: the command SMS is followed by the positions in the telephone book (from 1 to 8 max.) of the numbers for which is required to activate the function (e.g., SMS145 activate the sms sending for the numbers at positions 1,4 and 5). *This function sends only alarm sms, like "Alarm door" and "Low battery".* Note: All the numbers memorized by means of the command TELx have this function activated by default.	SMSxxxxxxxx
7	**DEACTIVATION OF ALARM SMS FOR A SPECIFIC NUMBER** The command deactivates the reception of alarm sms. See syntax and notes above.	DSMSxxxxxxxx

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#	DESCRIPTION	SMS COMMAND
8	**_ACTIVATION OF ALARM CALLS FOR A SPECIFIC NUMBER_** <u>Syntax</u>: the command VOC is followed by the positions in the telephone book (from 1 to 8 max.) of the numbers for which is required to activate the function (e.g., VOC145 activate the alarm calls for the numbers at positions 1,4 and 5). _This function make only alarm calls in case of "Alarm door" and "Low battery"._ <u>Note</u>: All the numbers memorized by means of the command TELx have this function activated by default.	VOCxxxxxxxx
9	**_DEACTIVATION OF ALARM CALLS FOR A SPECIFIC NUMBER_** The command deactivates the reception of alarm calls. See syntax and notes above.	DVOCxxxxxxxx
10	**_REQUEST OF DOOR STATUS_** <u>Reply</u>: DOOR OPEN - DOOR CLOSED	DOOR?

11	**_REQUEST OF SYSTEM ERRORS_**
	<u>Reply</u>:
	  Photocell: OK/error
	  Wired safety edge: OK/error
	  Wireless safety edge: OK/error
	  STOP button: OK/error
		ERRDOOR

12	**_MEMORIZING A PHONE NUMBER FOR DOOR COMMAND_** <u>Syntax</u>: it's possible to memorize one number (e.g., MAC12345,xxxxxxxxxxx) or more (maximum 10), separated by commas, for each SMS. Furthermore it's possible to memorize one number (or more) that will be valid just for a limited number of commands: in order to activate this function add to the number the parameter "U", followed by the validity (number of commands). (es. MAC*password*,xxxxxxxxxxxUyyy = valid for yyy commands)	MAC*password*,xxxxxxxxxxx, xxxxxxxxxxx,......... MAC*password*,xxxxxxxxxxx, xxxxxxxxxxxUyyy,.........
13	**_DELETING A PHONE NUMBER FOR DOOR COMMAND_** <u>Syntax</u>: it's possible to delete one number (e.g., MAC12345,xxxxxxxxxxx) or more (max. 10), separated by commas, for each SMS.	DAC*password*,xxxxxxxxxxx, xxxxxxxxxxx,.........
14	**_DELETING ALL THE NUMBERS FOR DOOR COMMAND_** <u>Syntax</u>: the command DAC must be followed by the valid password, repeated three times.	DAC*password*,*password*, *password*
15	**_OPEN DOOR COMMAND_**	OPEN*password*
16	**_CLOSE DOOR COMMAND_** <u>Note</u>: this command has no effect if the system is configured in hold-to-run mode.	CLOSE*password*
17	**_REQUEST OF DOOR CYCLES_**	DOOR CYCLE
18	**_GSM CONNECTION CHECK_** <u>Reply</u>: OK	CKE
19	**_ACTIVATION OF FEEDBACK CALLS AFTER EACH SMS_** After every command sent via SMS, the device make a call and send an SMS as confirmation of the correct reception. This automatic call must be manually stopped, hanging-up. The function is deactivated by default.	ACALL
20	**_DEACTIVATION OF FEEDBACK CALL AFTER A SMS_**	DCALL

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#	DESCRIPTION	SMS COMMAND
21	***ACTIVATION OF "SURVIVAL" SMS (from ver. 1.7 on)*** <u>Syntax</u>: the command is followed by the frequency of sending (days, from 1 to 250). E.g., SMSON15: the device will send a sms "OK" every 15 days, in order to keep the SIM active.	SMSON,xxx
22	***DEACTIVATION OF "SURVIVAL" SMS (from ver. 1.7 on)***	SMSOFF

7- TECHNICAL SPECIFICATION

- Power supply   12Vdc (provided by control unit TVPRP)
- Operating temperature range   -20 / +50 (°C)
- Telephonic module   SIM900 QBand
- SIM type   Standard

7.1- SAFETY INFORMATION

The product complies to the following standards:
Art. 3.1(a) Safety   EN 60950-1
Art. 3.1 (a) Health   Council Rec. 99/519/EC
Art. 3.1(b) EMC   EN 301 489
Art. 3.2 Radio   EN 301 511
The Declaration of Conformity (DoC) is available at the page www.telecoautomation.com/ce

<u>**WARNINGS:**</u>

The functioning of the device next to radio, televisions, mobile phones or any other electronic devices, could generate interference. The device can be subject to external interferences, which can influence its proper functioning.

Do not install the device next to pacemakers or any other electronic medical devices, because it could interfere with the correct functioning of these devices.
We inform that GSM900 works using radio frequency and not one telephonic company can guarantee the connection to the device at any moment. For this reason the product cannot be used with personal emergency systems.

Furthermore the user is totally and exclusively responsible of the remote command of the door by means of the product GSM900. Teleco Automation Srl declines any responsibility for direct or indirect damages caused by possible malfunctioning, wrong installation or external causes like power supply black-out or GSM signal missing.

Notes:
- A telephone number cannot be memorized more than one time.
- In order to delete a telephone number by means of the command "DAC*password*,xxxxxxxx", it is necessary to write it with the same dialing code earlier used for the command "MAC12345,xxxxxx".

In the view of a constant development of their products, the manufacturer reserves the right for changing technical data and features without prior notice.

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