



PROFESSIONAL GSM/GPRS TRANSMITTER



INSTALLATIONAL AND USER'S GUIDE

Version: 2.1



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Device description and function

The GSM/GPRS device can be used for remote controlling (ex.: gate opener), as an accessory to alarm centers and also as a standalone alarm center. The module has 4 contact driven inputs and one implemented relay output (relay type: NO/NC). The module can be expanded with further outputs and functions.

It can send notification to 8 phone numbers in SMS and/or voice message. The notification sending can be triggered by a signal arriving to any of the 4 inputs, by power failure, by sabotage or by arming/disarming of the GSM module. The notifications can be accompanied by an additional voice message that will be played when calling is answered. These recordings can be 8 seconds utmost. The voice message can be also a shared identifying message with a maximum length of 15 seconds.

Output control can be made from unlimited phone numbers with a free call. When controlling with caller identification numbers can be stored in the memory of the module (1,000 in this case), or on the SIM card inserted. With caller identification unauthorized controlling of the device connected to the output is not possible.

Output can be controlled also with SMS command that might even contain differing order from stored settings (ex. output set to bistable can be controlled for 10 seconds). You can find more information on this command on page 20.

DTMF controlling was implemented thus GSM module outputs can be controlled separately with mobile phone buttons. This mode has the condition to accept the call arriving to the module that involves call charges depending on the carrier.

The module can store up to 16,000 events in which appear states of the inputs and outputs, power supply resets, GSM network and module state related information, incoming and outgoing calls and SMSs.

The tamper input on the module can be used as a sabotage indicator with setting possibilities alike to inputs. Shortening it before powering on then cut short in 3 seconds functions as a "reset" that can revert the module back to its original factory state.

Implemented Anti Jammer System (AJS) protects from GSM jammers. The significant dropping of the GSM strength or a network connection failure initiates a prompt alarm. In these situations module tries to send notifications using network possibilities still available. It can be set that by controlling the output even a siren can be managed. This possibility is especially useful if we would like to fob the person who committed the sabotage.

As a standalone alarm center 4 zones can be distinguished and they can have Contact IDs or zone codes. The types of the inputs can be altered based on that (ex. 24/7, delayed etc.). By using expansion panel (EXP Alarm) an LED status feedback is available of the armed/disarmed module status and also the control of a peripheral buzzer in case of arming disarming and alarm event.

Besides continuous voltage monitoring the module observes also the GSM strength. These data can be readout and these can be charted even by hourly divisions by the programming and surveillance software.

By using expansion panels further outputs (EXP Relay, EXP Relay3), or expansion panel for standalone GSM alarm center (EXP Alarm) can be connected

The module can be programmed by SMS command, voice menu, PC or by Android mobile phone.



Figure 1: Device operation

Module buildup

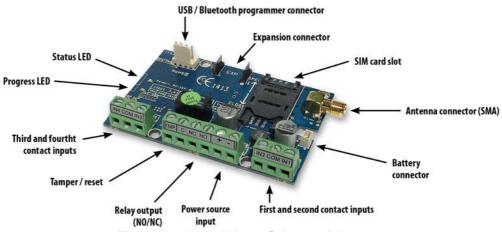


Figure 2: the buildup of the module

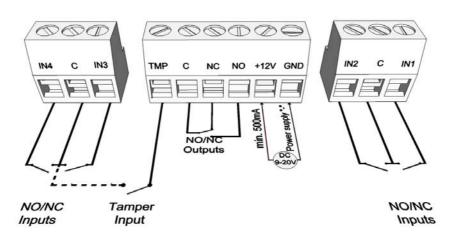


Figure 3: wiring diagram series terminal

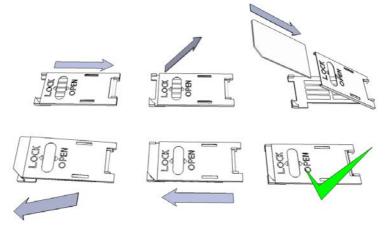


Figure 4: Inserting the SIM card

Installation guide

Technical parameters

- Power voltage: 9-20 VDC
- Standby power drain: 30 mA
- Maximum power drain: 700 mA
- Relay output load: max. 20V / 500 mA
- GSM module type: SIMCOM 900
- GSM frequencies: GSM 850 / EGSM 900 / DCS 1800 / PCS 1900 (Multi- Band)
- SIM card usage: brand free GSM module
- GSM antenna type: SMA connector (comes with package)
- Size: 78 x 51 x 20 mm, packed: 132 x 128 x 32 mm
- Operation temperature: -20°C +50°C

Installation steps

- Carry out a signal strength check with your mobile phone. Sometimes occurs there is no sufficient signal strength at the commissioning site. In this case it is recommended to change the module position prior to installation. Do not install the device to places where strong electromagnetic waves might occur, ex. next to electric motors or alarm transformers.
- 2. Do not install in watery places or to places with great humidity.
- 3. Connect the antenna that can be secured with an SMA connector. If you are reading low signal strength use antenna with higher gain. Signal strength grow can also be achieved by repositioning the antenna. **Do not** position the antenna under various metal covers as those might significantly ruin the signal strength.
- 4. You should opt out the PIN number request, voicemail and call notification of the SIM card. Sometimes new SIM cards must be activated (usually one outgoing call has to be made). Check the validity of the card. If you have a prepaid card check its balance and its usage possibilities (ex. can be used only for calls).
- 5. Number identification of caller and at call initiations has to be checked. This function at certain service providers. Must be enabled formerly.
- 6. Insert the SIM card in the SIM card slot of the module.
- 7. Connectors have to be connected according to the wiring diagram. If you are dealing with OC output (output of EXP Alarm expansion panel) mind the correct wiring of the relay protecting diode.
- 8. If you are working with OC relay be cautious especially of avoiding electric shock. A proper contact protection must be established. If you lack the appropriate experience ask for professional help.
- 9. Check if the power supply performance will be sufficient for the module. Mind the polarity. If wiring is reversed the module will not operate or might get damaged.
- 10. Now the device can be connected to the power supply.
- 11. If you have purchased also a battery connect it to the device. Use only the appropriate battery for reserve powering the device!
- 12. After connecting the voltage supply the red LED is lighted indicating the device establishing connection with the **GSM system (this can be 1 minute utmost).**
- 13. If red LED goes off and green LED flashes module is online and connected to network. The **flash number(s)** indicates GSM signal strength.

For programming the power supply must be connected! Power needed for programming can be supplied to the module also from USB adapter.



LED signals

Signals give essential information of the module, of GSM signal strength and the actual error codes. By blinking we mean flashes between two longer pauses.

• A STATUS LED (green) gives feedback of signal strength value based on the chart below:

Flashes	Signal quality	
1	Dod	
2	Bad	
3	Decent	
4	Good	
5	Excellent	
LED lighted	GSM connection rejected	

- An ACT LED (red) lit means the initiation process at startup. At this phase module performs the initial checks. During operation this reflects an event (SMS or voice call).
- If the red and green LED are lighted simultaneously it tries to communicate an error that can be identified with the chart below:

Flashes	Error code
1	Initializing
2	Bad GSM module
3	SIM card not inserted
4	SIM card locked with PIN code
10	Modem mode

- Alternating flashes of red and green LEDs means the "reset" function of the tamper input. This way the GSM module can be reverted back to its original factory settings.
- To switch-off the *modem mode*, open the *module status* window in the *Services menu*.

Connecting the module (PC)

Establishing connection using a USB adapter

- 1. Connect the USB adapter to the *Program* labeled slot of the module.
- 2. USB adapters can provide the sufficient voltage for programming the GSM module.
- 3. Attach the USB connector of the adapter to a USB extension cable and plug into any USB port of a PC.
- 4. **WARNING! If you are using Windows Xp operating system** the system offers an automatic driver installation. IMPORTANT, do not use the offered driver but carry on the installation with the **USB driver.**

Installing the USB driver manually in 10 steps

- ✓ get the required driver from our web site or from the "USB driver" directory on the CD if you have the USB Kit
- ✓ use the appropriate 32 or 64 bit version for your operating system in the installation process
- ✓ to check this use the Control Panel → System menu path (when using Windows XP "x64 Edition" will only appear if the system is running on 64 bit)
- ✓ connect the USB programmer to your PC
- $\boldsymbol{\checkmark}$ do not chose the automatic installation offered by the system
- ✓ Open the path Control Panel → System→ Hardware *Device Manager* window.
- In this window search for Unknown device (which will be the programmer now, later the USB Serial port). If you cannot find it start the "Scan for hardware changes" process from the upper window menu.
- ✓ Device properties can be achieved by double clicking on the unknown device.

- ✓ Start the Update driver process
- ✓ In the installation window choose the manual selection of the driver location then choose the appropriate folder containing the 32 or 64 bit driver
- ✓ Click on the Next button to start the installation.
- 5. Open the Device Manager (click on System \rightarrow Properties \rightarrow Hardware tab \rightarrow Device manager)
- 6. Search for a device named USB Serial port (COM...) under Ports
 - 1. If a driver reinstall is needed click on the device then choose driver removal then follow instructions above.
- 7. Start the programming software.
- 8. You have to set the value in brackets [USB Serial port (COM...)] in the programming software
- 9. Establish a connection to the GSM module.

Establishing connection using a Bluetooth adapter

- 1. Connect the Bluetooth adapter to the GSM module and provide power to it.
- 2. Switch on the Bluetooth connection possibility on your device (PC or Android mobile phone).
- 3. Search for programmer with the help of your Bluetooth enabled device.
- 4. After finding the adapter you can pair your PC/smart phone with the adapter using the code "1234". Search for the COM port number of the connection (usually under *Properties* \rightarrow *Hardware* tab)
- 5. Search for the COM port number of the connection (usually under *Properties* \rightarrow *Hardware* tab)
- 6. Set the port number also in your programming software (PC) or choose the automatic port finding option.
- 7. Establish a connection to the GSM module.

If you use Windows 8 operating system the programming software should be started in "Windows XP SP2/SP3" compatibility mode (Right click on the starting icon of the program \rightarrow Properties \rightarrow Compatibility)

In every case you can check the connection if you see the connected module name next to the Start button in the programming software and the green LED on the programmer starts to flash.

If you have a connection established between the adapter and your PC or mobile phone you can start the module configuration.

- By clicking the Start button after the connection was established modules settings will be acquired.
- By clicking the Start/Default config button (after a confirmation) it will revert back the module to factory settings.
- Using the Android application settings are always acquired after establishing a connection.

Programming using the PC software

- If you have chosen configuration by PC you can use our software that is freely downloadable from our website or you can find it on the installation CD in the USB KIT.
- The program runs automatically, no installation needed
- Compatible with operating systems Windows XP, 7 and 8
- Make sure you always use the latest software!
- If newer software is out the module should be updated prior to the first configuration.

ProRead version: 2014.02 Choose a language	TellSy	ste	n
English 🗾 💽	соммин		ON
COM4 💽	COMMUN	ICATI	UN
COM port auto-search	Ouit		
12 200 20 M	Products - test		
USB C Bluetooth	ProCon GSM	Test	8.9
Product connection	ProLine GSM	Test	8.8_10
DueCon CCM Chut	EasyCon GSM	Test	8.8_7
ProCon GSM Start	InterCom GSM	Test	8.8_3
Start/Default settings	and the own Produced Street (1995)		
GSM Gate controll compact view			



Connecting process

- To program the module choose between USB or Bluetooth connection.
- Below the language selection in the scroll down list (COM 4 in the picture) you can select the port through which you would like to communicate with the module programmer. You can find this value (in Windows operating system) under Device manager → Com port at the connected programmer. If you cannot decide you might let the program to search for it by pressing the *automatic COM port finding*. The automatic COM port search might take several minutes.
- If the connection was successful you will see under the Product connection tab the name of the module.
- Clicking the *start* button the software connects to the module and reads out its settings.
- By clicking the *Start/Default config* button the module will be set back to default factory settings after the connection was established. (Before the operation the software asks for confirmation if this feature has not been switched off before).
- If you do not want to attach a module just to inspect the settings options you can select the *Products-tryout* window where you can freely make a specific module properties selection and also module preprogramming.

Program buildup

R0 AD 🖞 🚷	g Language Contact GSM Quit Client:	Ext. power monitor Life signal Other	Monitoring station Anti-Jammer Arm	
Basic data Client name: Username: GSM phone number: Type of alarm center: Type of GSM module: Date of installation:	ProCon GSM 2014.05.20. 15:07:41		15:08:21	Time sync
Read		Send	C Restart	Quit

- Upper menu items:
 - Maintenance: basic menus needed for module maintenance (for ex. module state check, event log readout, PIN code request switch off of the SIM card, Firmware upgrade)
 - File commands: Saving and loading settings
 - Descriptions: viewing wiring diagram
 - Settings: setting window size, switch off confirming dialogs
 - Language: language selection (available languages: English, Hungarian, Italian, German, Slovak, Slovenian, Dutch, bohemian, Finn, Romanian)
 - ° Contact: our contacts; e-mail addresses and phone numbers
 - GSM: reverting back to factory settings the GSM chip (SIM900 chip) and auxiliary PSTN line monitoring (in case of a failure), providing GSM information, saving central SMS number of the network operator
 - You can reach the various settings of various items by clicking the appropriate tab
- On the main page (*Basic data* tab) clicking the *Clock Synchronization* makes the module to adjust its time to the PC clock.
- After the device established a connection with the mobile network it will automatically adjust the time with the

mobile network (if this feature is available).

- The *Reading* and *Sending buttons at the bottom* are for readout and edit of the module configuration. These buttons are accessible everywhere except on the *Controlling phone numbers* tab. You should send data to the module with the *Send* button after every significant modification. Before sending your settings make sure those will not trigger an unexpected alert. You should readout the actual module state beforehand (*Maintenance* tab).
 WARNING! After connection always readout the settings first if you would like to alter those.
 - WARNING! After connection always readout the settings first if you would like to alter those.
- You can restart the module with the Restart button. After monitoring is complete the module should be restarted.
- In the lower menu line you can be informed of the followings:
 - Communication port number
 - GSM module name
 - Firmware version number
 - Notification on the actual software process
 - ProRead version number

Checking module status

		COMN	Syste IUNICATI	ON		
Input 1.: OFF		Output 1.:	OR ON	Tamper:	OFF	letwork powe
Input 2.:	ON	Output 2.:	OFF	Power supply:	OFF	
Input 3.:	ON	Output 3:	OFF 01	Arm/Disarm	OFF	
Input 4.: OFF	0.9	Output 4:	OFF OH			
Error code/CID:						64%
GSM Status:						

You can reach the actual status through $Maintenance \rightarrow Show module status$ button

By the module status query you will be informed of the followings:

- input statuses
- output statuses
- Tamper sabotage notification
- power supply failure notification
- armed/disarmed module status
- displaying occurring error/event codes (ex.: no SIM card inserted, SIM card locked by PIN code)
- checking Contact ID code (to monitoring station) sending process (ex. handshake status)
- GSM connection status (ex. connected to the network, roaming, no connection, connection rejected)
- actual GSM signal strength (refreshing in seconds)

Switching off PIN code request on SIM card

Please enter the PIN of SI	M card	
OK	Cancel	

Before inserting SIM card in the module the *PIN code request should be switched off*

- If you have not done yet then you can switch off at Maintenance→ Switch off PIN code request.
- You will see the following window, where you can input the code and its request will be switched off.



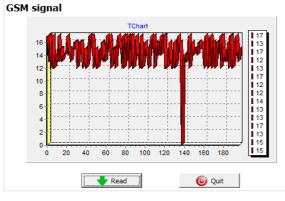
Event Log Readout

Event	Log	🔶 Read eve	nt log	🔍 Rea	d stop	Export Excel	Open CSV	Quit 🕑	
	EVENT	DATE	GSM 0-31	GSM Network	Note / paran	neters		1	
61	GSM logged	2014.04.30. 14:22:43	16	Connected	IMEI:861785	5007544749 SW:08.8			
62	Voice MENU enter	2014.04.30. 14:19:45	11	Connected	USER/				
63	Ext. power monitor	2014.04.30. 14:29:34	15	Connected	Restore				
64	Incoming calls rejected	2014.04.30, 14:19:33	15	Connected					
65	GSM logged	2014.04.30. 14:19:32	15	Connected	IMET:861785	5007544749 SW:08.8			- 12
66	Ext. power monitor	2014.04.30. 14:16:31	14	Connected	Restore				0
67	Incoming calls rejected	2014.04.30. 14:16:31	14	Connected					
68	Input 1.	2014.04.30. 14:12:58	0	Not connected					
69	Input 1.	2014.04.29. 15:42:52	31	Connected	Restore				
70	OUT call (successful)	2014.04.29. 15:42:15	31	Connected	+363089936	618			
71	Input L	2014.04.29. 15:42:11	31	Connected					
72	Input 1.	2014.04.29. 15:39:52	25	Connected	Restore				
73	OUT call (successful)	2014.04.29. 15:39:26	31	Connected	+363089936	618			
74	Input 1.	2014.04.29. 15:39:14	31	Connected					
75	Ext. power monitor	2014.04.29. 15:36:41	31	Connected	Restore				
76	GSM logged	2014.04.29. 15:36:41	31	Connected	IMEI:861785	5007544749 5W:08.8			
77	OUT call (successful)	2014.04.29. 13:58:46	31	Connected	+363089936	518			
78	Input 1.	2014.04.29. 13:58:36	31	Connected					
79	Incoming SMS	2014.04.29. 13:57:16	31	Connected	+363089936	618/RTEL:0036304500919			
80	OUT call (successful)	2014.04.29. 13:56:05	31	Connected	+363089936	618			
81	Input 1.	2014.04.29. 13:56:00	31	Connected					
82	Input 1.	2014.04.29. 13:56:00	31	Connected	Restore				
83	Incoming SMS	2014.04.29. 13:55:51	31	Connected	+363089936	618/FW.ID: V1.4TEL: 00363045	00919		
84	OUT call (successful)	2014.04.29. 13:54:19	31	Connected	+363089936	618			
85	OUT call (successful)	2014.04.29. 13:53:22	31	Connected	+363089936	618			
86	Input 1.	2014.04.29. 13:53:17	31	Connected					
87	Input 4.	2014.04.29. 13:53:03	31	Connected					
88	Ext. power monitor	2014.04.29. 13:53:03	31	Connected	Restore				
89	Input 4.	2014.04.29. 13:53:03	31	Connected	Restore				
90	Incoming SMS	2014.04.29. 13:53:03	31	Connected	+363089936	618/Teszt SMSW:08.8			
91	Input 1.	2014.04.29. 13:41:45	0	Not connected					
92	Microcontroller START/R	E: 2011.01.01. 00:00:57	0	Not connected					
93	Microcontroller START/R	E: 2011.01.01. 00:00:57	0	Not connected					
94	Open (GSM)	2014.04.25. 08:20:48	31	Connected	+363045005	919			

The event log can be viewed by clicking *Maintenance* \rightarrow *Read Event Log* button:

- It can store up to 16,000 events in FILO (first in-last out) mode
- The acquired list can be saved in "csv" file for later examination. This can be done also in the event list by clicking the "Open csv" button.
- In the *Token* column there are short event information.
- In the *Date* column notification dates are stored. IMPORTANT! Date will be accurate if the clock of the module is synchronized with a PC or with GSM system. The latter is automatically done by the module when connected to the network of the operator.
- The **GSM 0-31** indicates the signal strength at the time of creation. 31 is the highest, 0 indicates state with no connection.
- Network indicates if the module was connected to the network carrier at the time of creation.
- In the Comment/parameter column notification related extra information are stored.
- Initially the chart is empty; the readout can be commenced by pressing the *Readout event log* button.
- The newest data will appear at the top of the list followed by older entries as you go down the chart.
- If the whole chart readout is not necessary you can stop it with the *Readout stop* button.
- Read out list can be exported from the software in "csv" (ex. Excel) chart so later it can easily be sent and stored.

Readout of GSM signal strength



Fill out basic data

i Basic data	
Client name:	
Username:	
GSM phone number:	
Type of alarm center:	
Type of GSM module:	ProCon GSM
Date of installation:	2014.05.21. 13:07:27

The chart of GSM signal strength is available by the **Maintenance** \rightarrow **Show GSM signal strength** button

- You can have the values by pressing the *Readout* button
- Measured readings can be displayed by clicking the "Reading" button.
- Signal strength fluctuations are divided by hours. Passed time should be interpreted according to this.
- Vertical scale is calibrated from 0 to 31. 31 mean the best signal strength.
- Size of the chart can be freely altered by left click.

Important data of the installed GSM module can be set. Besides the client name and commissioning address the phone number of the SIM card inserted in the module and the type of the attached alarm center also can be set.

- Data inserted are stored in the module
- Stored data can be useful later during maintenance.



Saving phone numbers for notification

- In the phone number tab you can set those phone numbers to which SMSs and/or voice messages will be sent
- Numbers given in this section must be in international format to ensure safe operation.
- (Ex.:+36301234567 or 0036301234567)
- For notification maximum 8 phone numbers can be set.
- You can select these numbers in the following program section.
- This list can be edited also by SMS with the "TELx= phone number" command, where "x' represents the ordinal number of the phone number chosen for edition. (Example: 1234TEL1=+36301234567, 1234TEL2=+36304564323) See *page 20* for *SMS commands.*

📀 Phone nu	Imber settings
Add phone numbe	ers for notification:
Number 1.:	
Number 2.:	
Number 3.:	
Number 4.:	
Number 5.:	
Number 6.:	
Number 7.:	
Number 8.:	

Saving controlling phone numbers

	Number		Control 1st output		
1	+36301111222		Control 2nd output	Open form file	
2			Control 3rd output	Save to file	
3			Control 4th output		
4			Arm/Disarm Do not request for		
5			security code in voice		
5			- Direct DTMF		
7			Control	Read numbers	
3			All enabled	from me	from memory
)			IN4 Disabled		
10			IN3 Enabled +36301111222	Write numbers	
11		*	130301111222	to memory	

- At the Control phone numbers section you can set telephone numbers that can control the outputs.
- Phone numbers can be stored in the memory of the module (maximum 1,000 pcs). Moreover, additional phone numbers can be stored in the SIM card. The phone numbers on the SIM card memory can be read out only. New phone numbers can be saved to the SIM card if we insert the SIM to a mobile phone and we save the additional numbers.
- By using inner memory the module will be independent from the SIM card memory.
- Always read out the memory before editing the list with the *Readout numbers from memory* button. For saving use the *Save numbers to memory* button, and then the send button.
- Stored numbers must be in international format. Due to number length using "+" is suggested (ex.: +36301234567).
- Storing, editing and opening of numbers are also possible (from .csv file).
- Control numbers can be associated with specific outputs.
- By choosing DTMF control, the outputs can be controlled with cell phone buttons (1, 2, 3, 4). Module can be armed/disarmed with DTMF command (*).
- The list can be modified also by SMS command with ADD=phone number (addition) and DEL=phone number (removal) commands
- (Example: 1234ADD=+36301234567, 1234DEL=+36301234567)
- You can find additional information on SMS commands on page 20

Timezona settings

- At the Timezone tab, we can set in which time interval the control of the phone numbers is enabled.
- The timezone function works only with phone numbers in the internal memory.
- Three different time zones can be set with 5 minutes accuracy.
- The desired time interval can be set from a dropdown list next to the phone number list.
- By using *IN4 Disabled*, we can disable the control permission of the phone numbers which are enabled according to the actual timezone.
- By using *IN3 Enable*, we can enable the control permission of the phone numbers which are disabled according to the actual timezone.
- For using the function 9.0.4 or higher software version is necessary.

Input configurations

The GSM module has "dry" contact inputs. Before reviewing settings examine input wiring possibilities in the picture below. The four outputs can have individual settings.

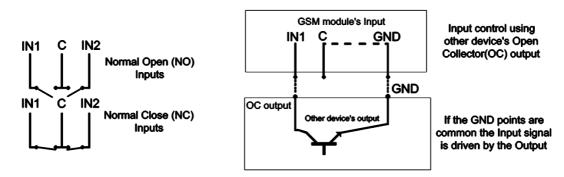


Figure 5. Normally Open (NO) and Normally Close (NC) wiring

	3. Input 4.	
elect phone number(s)	to send SMS:	Type of input:
✓ +44123456789	Phone5	01/24h normal input
✓ +44987654321	Phone6	O Normal Close
Phone3 Phone7	C Normal Open	
Phone4	Phone8	SMS/Call when input set back
elect phone number(s)	to call:	 ✓ Siren in the phone Call ✓ Voice message ✓ Monitoring station notification
+44123456789	Phone5	When a call is not to be taken!
✓ +44987654321	🗌 Phone6	DTMF acknowledge during call (#) Automatic alarm at arming (IN1)
Phone3	Phone7	SMS text:
Phone4	Phone8	1st input alarm

You can set on this tab if there is an alarm event caused by short or open circuit on an input to which phone number you

Own memory SIM card number Time Zona





would like to send SMS or voice message notification. It is possible to send both notifications to the same phone number.

- On the *Input type tab* you can set how the input should operate:
 - 00/Not used: not used inputs can be switched off so no jamming signals can be received.
 - ° 01/24h normal input: 24/7, constant, input indifferent to activation status
 - (02/Backup: not used input left on so it can be used later)
 - 03/Center input: this input will send alert only if the module is activated.
 - 04/delayed center input: in activated state this input starts a countdown (can be set on the "Other" tab) while you have the chance to deactivate it.
 - 05/Arming/disarming: input for arming or disarming the module. This can be controlled only with continuous contact (ex key switch). Normally closed state is suggested so wire cutting will trigger an alarm.
- The input can be set to be normally opened (NO) or normally closed (NC).
- An SMS message can be sent if the input reverts back to its normal state. This message can be given in the *SMS text for input text* on the *other tab*.
- If *siren sound* is selected as alarm sound voice call duration will be 25 seconds. If also the voice message option is selected its length will be 5 seconds.
- At voice message transmission prerecorded or custom sound can be chosen to send with a voice call (Sounds tab)
- Monitoring station can also be notified of the input state change via voice message.
- You can set a no pickup mode so module will not try to call again if the call was received regardless it was accepted or rejected.
- The first input can be set to send notification if module is powered on. Thus the module indifferent to its state will initiate an alarm event. This function is suggested when you want the module power-on to initiate an alarm event.
- In the SMS message box you can set the message that can be maximum 32 characters long.
- Input modifications can be achieved by SMS commands with the following parameters:
- 1234INPUT1=tnneeeeeeee
- t: 0 → switched off 1 →24h normal 2 → backup 3 → alarm normal 4 → alarm delayed nn → NO or NC eeeeeeeee: Other parameters: 1.e=1 → Message of reverting back 2.3=0 → Compulsory 0 3.e =1 → siren sound 4.e=1 → Voice message 5.e=1 → Monitoring station 6.e=1 → no need to pickup at call 7.e=1 → DTMF acknowledge (#) 8.e=0 → Compulsory 0
- You can find additional information on SMS commands on page 20.

Voice message settings

Playing the id	dentification message before the event message		
Identification	Internal	S Upload	
Input 1.	Internal	O Upload	
Input 2.	Internal	🕒 Upload	
Input 3.	Internal	🕒 Upload	▶ □ ●
Input 4.	Internal	🕒 Upload	
Power.	Internal	Opload	
Tamper:	Internal	Upload	

In the Sounds menu a specific alert can be associated with a prerecorded voice message.

- The function of the **identifying message** is to identify the module (ex. address, building name) if you are waiting messages from several modules.
- If you click the **red record** button you can record your own voice with a microphone attached to your PC. This can be up to 8 seconds in length or 15 seconds for the identifying message.
- During voice recording it records from the default microphone. Sometimes it needs to be adjusted (ex. amplify) for the optimal volume and quality.



ProCon GSM

- By clicking the Play button you can listen to your recording.
- If you would like to upload a prerecorded sound file than you can open a file upload window by clicking the appropriate event button.
- The file format has to be compatible with the format used on GSM networks. It has to be 8 kHz sampling rate, 8 bit, mono PCM modulated ".wav" file.

When you have the desired sound it can be uploaded to the module by clicking the Upload button.

Output settings	
Output 1: Output 2. Output 3. Output 4.	
Monostable 🗸	
Time:	
© Sec ○ Min 3 🜩 Test	
Control with Caller ID	
Control at alarm	
$\hfill \square$ SMS notification when the output chan	

Adjusting outputs

On the *Output* window the output settings can be changed. The output type can be *monostable* namely one statused, (switches for the given period than reverts back to the original status), or *bistable* namely two statused (it only will revert back to original state after a new controlling).

- Regarding monostable operation switch time can be set in seconds or minutes. This can be max 65,000 seconds.
- The **Unsuccessful SMS** means output will be controlled when network operator rejects an SMS sending.
- Choosing *GSM fault* output will be controlled as long as GSM network reverts to its normal state
- Regarding output controlling it can be set if you want to control with incoming call or it should be activated by an alarm event (ex. in case

of 24/7 active input).

- When controlling with caller identification is set you can choose between unidentified or identified phone number control. By assigning the *SMS notification when the output changes* field, we can send SMS message about about the first input change.
- Anybody can control the output with unidentified phone number controll if he/she knows the phone number of the SIM card.
- If the phone number identification is selected controlling from a controlling phone number not in the list will be denied. This greatly improves module safety regarding unauthorized controlling.p. 21.



- **EXP Relay** provides additional 1, **EXP Relay3** provides 3 additional outputs for the GSM module. Thus by using EXP Relay 3 the module can have 4 outputs.
- Only one expansion panel can be connected simultaneously. Expansion panels connect to the Panel labeled slot of the modules.
- Both expansions contain low-voltage relayed output switcher.

EXP RELAY

- EXP Relay has NO/NC relay, EXP Relay3 has jumper adjustable output for NO or NC version.
- EXP RELAY3

- Output settings can be modified by sending the following message:
- 1234OUTx→ Selectable parameters: ON, OFF, RUN or switch to a certain time (given in 5 characters)
- example: 1234OUT1=00003 → controlling output 1 for 3 seconds
- You can find more information on SMS commands on page 20. Figure 6: EXP Relay and EXP Relay3



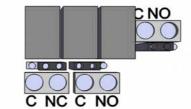


Figure 6: Exp Relay and Exp Relay 3

COMMUNICATION

Tamper settings

The GSM module facilitates the connection of a tamper protection. Essential of this protection is that module will trigger an alarm if GSM case is removed.

- Its connector is next to the first output shared connector of the main panel. Connector usage is similar to input: only suitable for monitoring short or open circuit.
- Connector must be connected according to the wiring diagram. You can use any shared input terminal. DO NOT USE SHARED OUTPUT TERMINAL (C).

elect phone number(s)	to send SMS:	Type of input:
✓ +44123456789	Phone5	01/24h normal input
+44987654321	Phone6	Normal Close
Phone3	Phone7	C Normal Open
Phone4	Phone8	SMS/Call when input set back
		Siren in the phone Call
elect phone number(s)	to call:	Voice message Monitoring station notification
+44123456789	Phone5	When a call is not to be taken!
+44987654321	Phone6	DTMF acknowledge during call (#)
Phone3	Phone7	
Phone4	Phone8	SMS text:
		Tamper alarm

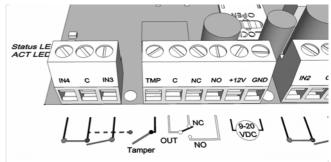
Power supply monitoring setup

The GSM device is able to monitor its power source and send notification of its problems

- On the **Power monitor** tab the trigger voltage level can be set. Below this the module sends an alert.
- Our Pro series modules have battery connectors that can be used to connect the Pro Battery.
- IMPORTANT! Modules without auxiliary power supply will switch off if there is no main power supply.
- The remaining function settings equals with the input settings.

Life signal sending setup

💙 Life signal se	ttings	
Life signal sending		7 🚖 Day(s)
Select phone number(s)	to send Life signal messages	12 🔿 At o clock
+44123456789	Phone5	
- +44987654321	Phone6	0 🗲 First, after day(s)
Phone3	Phone7	
Phone4	Phone8	SMS text:
		Life signal, system OK
Test		Voice call to the 1st phone number



Connect the Tamper (TMP) connection point with the Common (C) point of the inputs

- Tamper connector settings do not differ from any other input settings. On demand connector can be used as a 5th input.
- If you are using tamper for monitoring case removal input type should be set as closed by default.

Factory reset

Shortening the terminal before powering on than releasing in 3 seconds will revert the GSM module back to its factory settings. This progress is indicated by the alternate flashes of the ACT and STATUS LEDs.

🞸 Settings of Ext.	power monitor	
Select phone number(s) to se	end SMS:	Alarm voltage value
+44123456789	Phone5	11V •
+44987654321	Phone6	
Phone3	Phone7	
Phone4	Phone8	 SMS/Call when input set back Siren in the phone Call
Select phone number(s) to ca	dl:	 Voice message Monitoring station notification
+44123456789	Phone5	When a call is not to be taken! DTMF acknowledge during call (#)
+44987654321	Phone6	
Phone3	Phone7	
Phone4	Phone8	SMS text:
		Internal power alarm

- By life sign sending the user can be sure about the flawless operation of the system.
- The life sign sending periods and also exact hour can be set for notifications.
- To use this feature *Send life sign* check has to be selected!
- It is also important the day of the first signal can be scheduled not to arrive on the setup day. The life sign activation day can be set.
- You can modify life sign sending with the
- following SMS command: 1234LIFETEST=cccsstttttttt



- ccc \rightarrow sending cycles/days (ex.: 007 days)
- $ss \rightarrow hour of sending on a day$
- tttttttt → which telephone number will be notified (ex.: 00100000 → it will send the message to the 3rd phone number)
- You can find more information on SMS commands on page 20.

Anti Jammer System (AJS) settings

- By using a GSM jamming device (GSM jammer) the GSM module can be sabotaged by suppressing heavily the
- signal strength of the network or by its complete suspension. The Anti Jammer System (AJS) is monitoring changes in network signal strength.
- You can set which output you would like to control instantly when there is an Anti Jammer System event. In this situation it will control a peripheral device connected to its output (ex auxiliary siren).

Sending SMS/making voice call can be achieved only if there is still some connection with the network. If there is no connection

sending will be completed when network signal is available.

SMS notification of arming/disarming

C Settings of A	rm/Disarm		
Select the phone numbe	rs at opening to	SMS text (a	at opening):
+44123456789	Phone5		
+44987654321	Phone6	SMS text (a	at closing):
Phone3	Phone7	Close	
Phone4	Phone8		
Select the phone numbers	at closing to	0	Automatic opening (o'clock)
+44123456789	Phone5	 0	Automatic closing (o'clock)
- +44987654321	Phone6		
Phone3	Phone7	Arm/Dis number	arm notify sending back to phone
Phone4	Phone8		

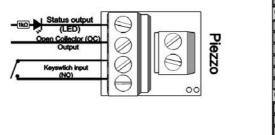
GSM alarm center expansion panel

fica allarme tramite S	MS	Testo dell'SMS:
		Allarme JAMMER
+393471234567 +393351234567	Phone5	Sirena nel messaggio vocale
+393287654321	Phone7	🔲 Invia Contact-ID
Phone4	Phone8	Comando uscita 1
noner		
		Comando uscita 2
ifica allarme tramite n		
fica allarme tramite n		
ifica allarme tramite n	nessaggio vocale	
ifica allarme tramite n +393471234567	nessaggio vocale	

At opening/closing i.e. the state of the module changes between armed/disarmed a notification SMS can be sent.

You can set the SMS message that can be maximum 32 characters long.

- An automatic activation/deactivation time for module can be set. This needs activation and deactivation time.
- Besides to the notified numbers a module status notification SMS can also be sent to the controlling number.



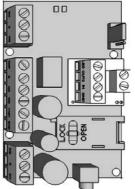


Figure 7. Alarm center expansion card wiring diagram

Life signal period

¢

[min.]: 1440

- By using the expansion panel GSM module can be converted to standalone alarm center.
- The expansion panel connects to the slot next to the programmer port according to the position on figure 7.

ProCon GSM

- Simultaneously only one expansion panel can be attached to the module.
- The alarm center expansion module provides the following new features for the module:
- status output; if you connect an LED to it (using a resistor to control the flowing power) you can have light feedback of the armed module status. When you arm the module the LED starts to flash.
- open collector output that serves as a second output. When it is controlled it will close with the GND of the expansion alarm.
- Extra input through which module can be armed/disarmed by a continuous contact or an impulse (we suggest connecting key switch here)
- Piezzo connecting point; facilitating sound for differentiating exit time (arming state) and alarm

Remote surveillance settings (voice call)

TellSystem

- Remote surveillance notification can be used side by side with the SMS and voice call notifications. This feature works at more than 50% of signal strength.
- Regarding the order first remote surveillance will be notified than remaining notifications will be processed.
- Two remote surveillance numbers can be set. If there is a connection failure with the first number it will call the second phone number.
- Client code is decided by the remote surveillance. You can use only your own . code.
- The communication with the remote surveillance can be improved by changing the signal level of the module transceiver.
- First example: if remote surveillance cannot interpret . the code received sender level has to be adjusted
- Second example: if the GSM module during the handshake does not receives accurately reply from remote surveillance the Receiver value has to be modified
- Change the default settings only in case when this is required by the available signal strength or by remote surveillance distinctives.

Using your own signal (Contact ID) codes

- The module can forward also self generated signals (ex. signals to inputs, power supply failure) to remote surveillance.
- Contact ID and Zone codes can be modified.
- Notification can be revised under the *Maintenance -> Module state display* tab. Here in the error code window sending actual Contact ID is displayed.
- If messages sent are not interpretable signal strength and module antenna position must be checked.
- The connected antenna should be away from the module and any other electric device or cable! .

Settings of monitoring station	
Own generated codes (CID) Voice call GPRS	
Protocol: ENIGMA UDP APN: net Username: Password:	Test period in min 0 • Contact ID code: 603
DNS1: AUTO	
DNS2: AUTO	
Key: OFF	🦳 Sending the GSM module internal alarm
Server address: PORT:	
192.168.1.1 1234	Contact ID loging to the event list
Server1 Server1_back Server2 Server2_back	

GPRS settings

On this page the carrying protocol can be set for data transmission. We suggest TCP usage only in justified situations, the UDP communication facilitates much quicker communication.

Settings of monitoring station

Own generated codes (CID) Voice call GPRS

Input 1.: 130

Input 2.: 130

Input 3.: 130

Input 4.: 130

Tamper: 137

Life signal: 602

Arm/Disarm 401

Ext. power monitor: 302

CID

ZONE

001

002

003

004

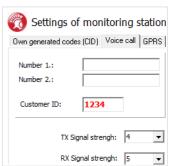
001

001

🔲 Life signal

Arm/Disarm

- In the latter case no need for user and password input.
- Compatible communication protocols are ENIGMA and SIA IP.
- At server address IP address and Domain name (this needs DNS server configuration) is also accepted.



- Backup servers can also be used to ensure communication.
- Frequency of the test message can be set. A special Contact ID code can also be assigned to it. •
- At GPRS client code module uses the client code saved on the Voice call tab when forwards via GPRS/IP.
- Own tokens can be set (inputs, power supply monitor, tampering, life signs). Codes associated to this can be set on the Remote Surveillance tab.
- Logging Contact ID sent codes are saved in the module event log.

Other settings options

🔇 Other settings	
General Voice call SMS	
Choosing the expand module	
EXP Relay module 💌	Save output to memory
Arm/disarm with impulse	Caller ID arm/disarm
	Microphone mode on
Entry time 30	ſ
Exit time 60	Input sensitivity:
SMS text for Input restore:	Normal
Restore:	🗌 Voice menu disable
PC security code	

Other module settings can be found on this tab. For better accessibility we have organized these parameters along several categories: general voice call and SMS.

On General tab you will find the followings:

- Extension card selection (EXP Relay or EXP Alarm) •
- Arming with impulse; by selecting this option an impulse sent to the input of EXP Alarm will cause . arming/disarming.
- Entry postponing used with delayed input .
- Exit postponing defines the time devoted to leave zones after arming •
- Setting SMS message when alarm comes in effect (SMS command: 1234SMSTEXT16=sms text*). .
- **PC security code** modification (at empty field the code is not required) .
- When in closed closure (using tamper microswitch) module LEDs can be switched off. •
- Saving output state to inner memory, so at powering on output state will be set according to what was saved. .
- Activation with caller identification can be set here if we want to arm/disarm the module with a call. .
- Input sensitivity (in switched off state: 10 ms, low: 100 ms, normal: 400 ms, average: 1 sec, high: 5 sec)
- Voice menu switch off can be made here

\$

On Voice call tab you can find the followings:

Voice call parameters: setting ringing and talking time and number of call

Max number of redials:	50	-
Talking time	90	\$
Circular calling		

Ring Time [sec]: 30

- attempts. (SMS command: 1234RINGTIME=030 \rightarrow ringing for 30 seconds)
- Selecting multiple call option every notified phone number has to acknowledge the call.

On SMS tab you can find the followings:

SMS redirection:	SMS header:
+44123456789 💌	120 character
SMS security code: 12	14
Daily SMS limit: 30	If = 255, then disabled
Max. retry on error: 4	•



Read settings

621

62/100

- SMS forwarding to one of the 8 telephone numbers. Warning! Never select the number of the module
- OAlso here you can set the SMS programming security code
- Daily SMS limit: it can be set how many SMSs can the module send a day. This limit can be removed by entering 255. If you set limit to 0 the module will not send any SMS!
- Number of maximum SMS sending attempts also can be set.
- Forwarding SMS arriving to the module to the phone number to be notified. (SMS order: 1234REDIR=1...8)
- SMS header, which will appear at the beginning of messages. Programming with Android based mobile phone

Androread

Connecting to the module



When you launch the application first you must pair the choose GSM module with the Androread. With the *Available Devices* button you can connect to the desired GSM module. In addition, the module connects automatically. Therefore, giving a pairing code is not necessary.

By tapping the **Paired Devices** button and choosing a device, a status line runs while the program reads out actual module settings and state.

The menu tree

er≪er er≪er af 50%	•The settings can be achieved in the menu in two ways either sweeping among the screens, or by tapping the menu button in the lower-left side of	
Client name:	the bottom.	Module status
Installation address:	With the menu button we can reach all of the settings promptly.	Restart Basic data
GSM phone number:	We have the possibility to configurate the main settings of the communicator	
Type of alarm center:	includes notified phone numbers, output control, input settings etc. When we have modified the settings, we can send the settings to the module by	
ype of GSM module: ProLine GSM	tapping the icon at the bottom of the screen.	Settings of Tamper
Date of installation: 2017.02.22. 8:40:51	If you require help for the software, you can achieve the description of every screen by tapping the icon in the upper-right corner of the screen.	Settings of Ext. power monitor
	solden by tapping the loon in the upper right correct of the solden.	Arm/Disarm



Caller ID/Module status

■ * 14/ ** all 33% ■	By choosing the "Caller
Phone number identification	
+ Q	from the memory. After
+36201234567	x assigning the different fu
+36301111222	× 2. We can store up to 10
+36702222444	×
Control 1st output	The software allows us
Control 2nd output	Module status menu.
Control 3rd output	tamper, power supply.
Control 4th output	
Arm/Disarm	strength and the actual s
Security code is not needed in voice menu	
Direct DTMF control	
Everytime enabled	*
IN4 Everytime Disabled	
IN3 Everytime Enabled	

By choosing the "Caller ID" option, we can save phone numbers to the nemory of the module. First the module reads out the phone numbers rom the memory. Afterwards, we can give the numbers along with assigning the different functions like arming/disarming or controlling output

The software allows us to check the actual status of the module on the **Module status menu**. Here we can see the state of the inputs,outputs, tamper, power supply. Also, it indicates the state of the GSM signal strength and the actual state of the GSM network.



Programming with SMS commands

Module can also be programmed by SMS commands. SMS starts always with the security code that can be modified whenever you want. Commands can be piled but the SMS length must be under 160 characters.

The module (if it is possible) will send reply SMS after every message. You can switch this off with **NO SMS** command or with the **RECALL** command when the module makes a call to confirm the successful programming.

Command criteria:

- can not contain accented characters
- command characters are capitals
- · commands have to be separated with space
- besides = you can also use #.
- · messages have to start with security code that is followed by first command without space
- SMS text command has to end with # character

Command List:

Description	SMS command		x value		value after = sign	Example	
editing SMS security code	CODE			=	new security code	1234CODE=4321	
adjust clock	CLOCK			=	yymmddhhmm yy: year, mm: month dd: day, hh: hour mm: minute	1234CLOCK=1401200922 Date will be: 2014.01.20 09:22	
save telephone number for caller identification	ADD			=	telephone number (with +36)	1234ADD=+36305551234	
removing telephone number from caller number identification list	DEL			=	telephone number (with +36)	1234DEL=+36305551234	
saving/editing telephone number for notification	TEL	x	telephone ordinal number from 1 to 8	=	telephone number (with +36)	1234TEL1=+36305551234	
input setup	INPUT	x	input ordinal number	=	tnneeeeeee t:0 \rightarrow switched off, 1 \rightarrow 24 h normal, 2 \rightarrow backup; 3 \rightarrow normal alarm 4 \rightarrow delayed alarm nn \rightarrow NO or NC eeeee: Other parameters: 1.e=1 \rightarrow send SMS of status revertion 2.e=0 \rightarrow compulsory 0 3.e=1 \rightarrow siren sound 4.e=1 \rightarrow voice message 5.e=1 \rightarrow remote surveillance 6.e=1 \rightarrow no need to pickup when calling 7.e=1 \rightarrow DTMF confirmation (#) 8.e=0 \rightarrow compulsory 0	1234INPUT1=INC00100000 First input is: -24 h normal -Normal Close - not sending SMS when reverts back to initial state - plays siren sound when calling - no voice message - no remote surveillance notification - when calling must be picked up -no need for DTMF confirmation	
Output setting	OUTCONF	x	output serial	=	iiiiirhn iiii⇒if 00000 then it will be bistable, otherwise it is the duration of control in seconds r→ controlled when alarm h→controlled when call n→=1→ without caller identification	1234OUTCONF=00003110 output is in 3 seconds monostable mode, it can be controlled by call and alarm and number identification is a must during a call	
Life sign sending	LIFETEST			=	cccssttttttt ccc→cycle time, how often to send message (ex.:030 days) ss→on the given day at what time (ex.: at 12 o'clock) ttttttt→ which telephone number to choose from the 8 ex.: 00100000→3 rd phone number, 01010000→2 nd and 4 th etc.)	-at 11 a.m. -sending to 3 rd and 6 th telephone	
Setting up notification sending	SEND	x	1:1 st input	=	SSSSSSSVVVVVV	1234SEND2=0010000011110000	

						•
			2.: 2 nd input 3.: 3 rd input 4.: 4 th input 9.: tamper 10.: power source monitor 12.: life sign		sssssss → selecting phone numbers for SMS notification (0 or 1) vvvvvvv→selecting phone numbers for call (0 or 1)	
	SMSTEXT	x	1.: 1 st input 2.: 2 nd input 3.: 3 rd input 4.: 4 th input 9.: tamper 10.: power source monitor 12. :life sign 16.: reverting text	=	SMS text ending with *. Text must not contain accented character!	1234SMSTEXT1= alarm text*
Forwarding inbound SMSs	REDIR			=	phone number serial from 1 to 8	1234REDIR=2
Setting ringing time	RINGTIME			=	from 001 to 255 (in seconds)	1234RINGTIME=030 rings for 30 seconds
Requesting module status information	INFO		Command		1234INFO	
no SMS after SMS programming	NOSMS		Command			1234command1 command 2 NO SMS
output control	OUT	×	output numbers	=	ON→switch on OFF→switch off RUN→controlling according to settings sssss→ controls the output for a limited time (in seconds)	1234OUT1=ON Output 1 switches on 1234OUT2=OFF Output2 switches off 1234OUT3=RUN Controlling output 3 1234OUT4=00003 Output 3 switches on for 3 seconds
Restarting module	RESTART		Command			1234RESTART

SMS command examples:

1st message: input setup and selecting 3rd telephone number for notification. Sending SMS and voice message to the 3rd number.

5384TEL3=+36201255335 CLOCK=1401200922 INPUT2=4NO00100000 SEND2=001000000100000

SMS text is the following:

5348 → SMS security code, every new SMS can be started with this code (to change it use the CODE command. Default code: 1234)

TEL3= \rightarrow changing 3rd telephone number for notification. Give the number in international format.

CLOCK= change the date to the following: 2014.01.20 09:22

INPUT2= \rightarrow setting 2nd input to the following: delayed normal open input that sends siren alarm when there is an event.

SEND2= \rightarrow second input sends SMS and voice message to the 3rd telephone number

2nd message:

- to modify the SMS text of the second input
- output and life sign message setup and
- saving an output controlling number for controlling
- finally modify the SMS security code

5384=SMSTEXT2=second input alarm" OUTCONF1=00003010 ADD=+36705553456 LIFETEST=007123000100000 CODE=2345

 $\textbf{SMSTEXT2} \texttt{=} \rightarrow \texttt{modify SMS text of second input. No accented characters!}$

 $\textbf{OUTCONF1}{=}{\rightarrow}$ output setup: monostable for 3 seconds with caller identification

ADD=→Adding telephone number to caller identification

LIFETEST=→sending life sign weekly at 12:30 to the 3rd telephone number



GSM gate control compact view

Similar to the entryphone compact view GSM gate control settings have their separate interface. The new interface contains every significant function for establishing a GSM based gate control system.

To activate the interface on the Connection window the Gate control compact view checkbox has to be marked

The new interface contains:

- output (gates) configuration: monostable (timed) or bistable (two stated) controlling
- controlling with caller identification, assigning phone numbers to gates and direct DTMF control
- SMS and PC security code
- firmware update
- switch off PIN code request of the SIM card
- event log, GSM signal strength and showing actual GSM module status
- wiring diagrams

For GSM gate control programming you have to complete only 4 (+1) steps:

First step: set up the outputs.

Settings of Gate(s) You can freely change the output settings 1st gate 2nd gate 3rd gate 4th gate Controlling can be monostable (one stated) or bistable (two stated) Monostable • At monostable operation controlling time period can be even 65,000 seconds Time: Controlling can be made with caller number identification or without identification Test from unlimited telephone numbers + ○ min By using the Test button you can try the current settings. To use the 2nd, 3rd and Control with Caller ID 4th output an output expander (EXP Relay or EXP Relay3) is needed Number identification

Second step: save the controlling phone numbers

- You can store up to 1,000 phone numbers in the module memory
- phone number must comply with the international format (+ followed by country code)
- By selecting the controlling phone number you can choose which output should be controlled with that number
- To control the module you just have to ring it. If you switch on direct DTMS control module will accept your call and you can control the outputs with the buttons of your cell phone

Caller ID		
	*	
+44123456789		
		Control the 1st gate
		Control the 2nd gate
		Control the 3rd gate
		Control the 4th gate
		Direct DTMF control
	\mathbf{O}	
	\sim	
		From memory
*	1	 Iron memory
Spen form file		
Save to file	1	Write numbers
Save to me		to memory

SMS security code:	
PC security code	

Third step: mind the security of your device

Change the SMS security code and (optionally) set your PC programming code. Default SMS security code is 1234.

Fourth step (optional): other settings

Other settings		
Phone number for notification (Power f	ault, Life signal, SMS forward and	restor
Power supply fault notification	□ Life signal, system OK	7 ᅌ Day(s)
Treshold voltage 11V -	SMS text:	12 🗲 At o clock
SMS text:	Life signal, system OK	□ 🚖 First, after day(s)
Return of power supply notification	□ SMS redirection:	🕑 Quit

- By clicking the Other settings button you can set GSM module related notification possibilities
- notification of power failure and its restoration can be sent
- you can set life sign sending so the device will send SMS of its seamless operation
- messages arriving to the device can be even forwarded to your phone

The final 5th step is to send settings to the GSM device

]	
🍰 Open form file	Save to file	🖡 Read	1 Send	C Restart	🕲 Quit

MEGFELELŐSÉGI NYILATKOZAT

Mi:

A Tellsystems Communication Kft. (2040 Budaörs, Károly Király út 90)

(gyártó vagy felelős képviselőjének neve, címe)

felelőségünk tudatában kinyilvánítjuk, hogy a(z)

ProCon GSM és EasyCon GSM GSM átjelző SimCom GSM modullal

(termék megnevezése, kereskedelmi név, típus- vagy modellszám, szériaszám)

berendezés teljesíti az 1999/5/EC irányelvben meghatározott alapvető követelményeket más vonatkozó rendelkezéseket meafelel és ill. a rádióberendezésekről és az elektronikus hírközlő végberendezésekről, valamint megfelelőségük kölcsönös elismeréséről szóló 5/2004. (IV.13.) IHM rendeletnek és az elektronikus hírközlésről szóló 2003. évi C. törvény 80. §-ában szereplő alapvető követelményeknek, továbbá megfelel az alábbi szabványokban és/vagy normatív dokumentumokban foglalt követelményeknek:

EN 301 511 v9.0.2 (03/2003)

EN 301 489-1 v.1.8.1 (04/2008)

EN 301 489-7 v.1.3.1 (11/2005)

EN 60950-1:2006+A11:2009

(szabvány megnevezése, dokumentum megnevezése és kiadásának ideje)

Az együttműködő bejelentett tanúsító szervezet(ek):

MATRIX Vizsgáló, Ellenőrző és Tanúsító Kft.; azonosító szám: 1413 (tanúsító szervezet(ek) neve, EU azonosító száma)

A berendezés műszaki konstrukciós dokumentációja a

Tellsystems Communication Kft.(2040 Budaörs, Károly Király út 90) (elérhetőség megnevezése)

címen érhető el.

Budaörs, 2011. május 27. (hely és idő)

(képviseleti joggal rendelkező személy aláírása, neve és beosztása)