SPECIALIST OF THE COMMUNICATION

TellSystem.eu
COMMUNICATION

TELLSYSTEM.EU

GSM/GPRS communicator • Line simulator • GSM intercom


Notification to monitoring station
GSM alarm center
Shutter control
Gate control
Temperature control
Garden lights control
GSM intercom

TellSystem Communication...

TellSystem Communication Ltd. designs, manufactures and distributes GSM/GPRS and IP modules. Due to our professional experience and our partners' trust nowadays we can be suppliers for several European and non- European firms.

Due to our dynamism and professional services our firm leads an important role in safety engineering, entryphone and fields of automation. Philosophy of our firm is to provide always the best solution to our clients due to which we hope for a long cooperation. Besides end-user demands our aim is to satisfy also installer demands meanwhile we take care for our distributors' and strategic partners' interests.

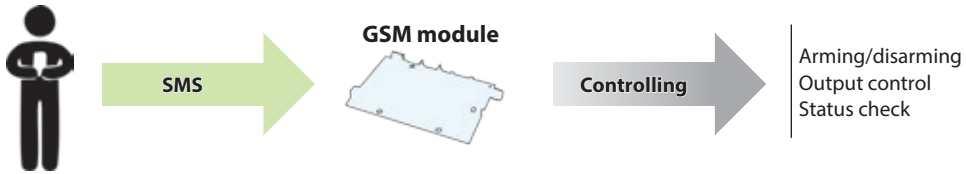
Due to the inquiries from export market our associates ensure a service quick and precise and provide help if it is needed. Thinking of convenience of our partners we provide personalized web pages, descriptions and newsletters to give up-to-date information of our innovations and services.

Products give solutions to remote controlling, automation, and forwarding. We design, produce and test every TellSystem product thus we can guarantee the ease of installation and usage. Our products have the international CE mark that guarantees compliance with the European norms and quality.

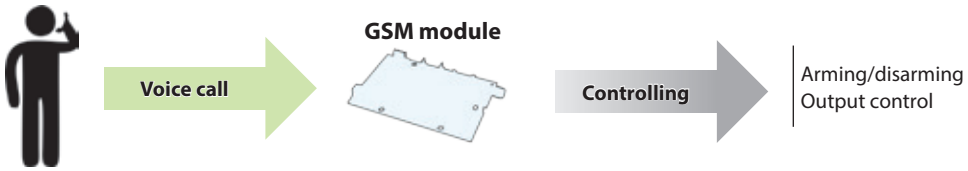
... Specialist of the communication

CONTROLLING THE GSM MODULE

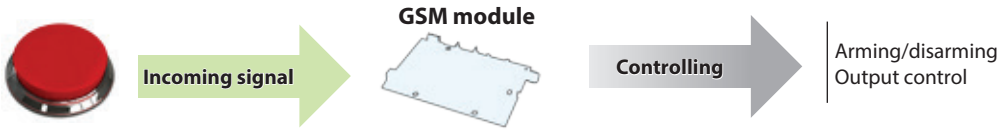
1. Controlling with SMS



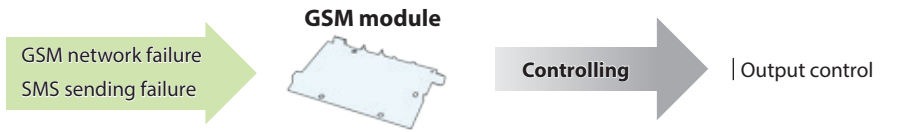
2. Controlling with voice call



3. Input from other devices (intruder alarm, fire, panic, etc.)



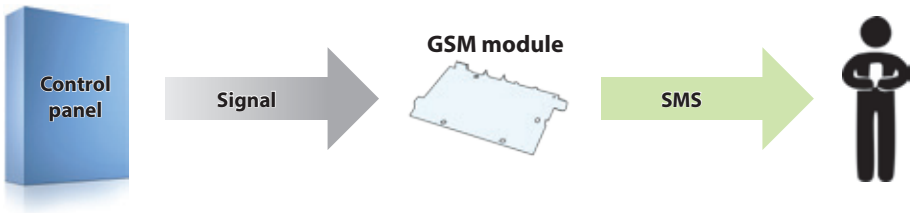
4. Controlling by a failure



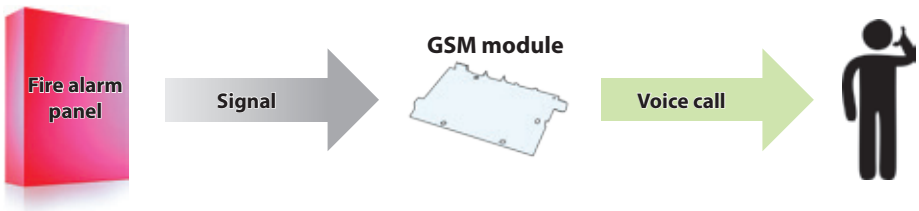
Anti-Jammer System: the product can sense GSM jammers; **Bluetooth**: the module can be also programmed or checked via Bluetooth connection; **48/72 V**: module can simulate a telephone line; **3 years warranty**: the product comes with 3 year manufacturer warranty; **Voice menu**: module can be also programmed via voice menu by pressing the buttons of a cell phone; **Plug&Play**: the module can be easily installed, there is no need for additional programming;

SENDING NOTIFICATIONS WITH A GSM MODULE

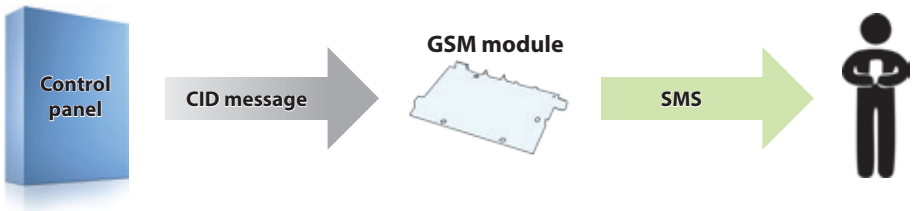
1. SMS notification to the user



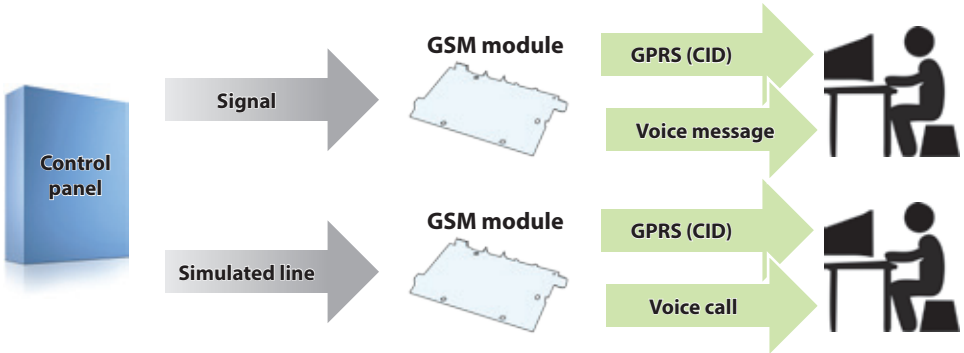
2. Voice call to the user



3. Converting Contact ID to SMS



4. Notification to monitoring station



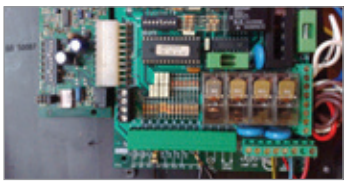
ProRead: professional programming software for programming the product from PC via USB or Bluetooth; **AndroRead**: Android based programming application to program our GSM products wirelessly via Bluetooth; ***Dual* Memory**: settings are stored on the module at two places; **16 000 events**: module can store up to 16.000 events.

GSM GATE OPENER

By using a GSM gate opener module you can control with a free call the driveway, garage door, etc. free of charge. Previously stored phone numbers can call the SIM card in the module. Module will identify the caller. It is convenient and safe as only previously saved telephone numbers can open the gate.

Unrestricted distance

Instead of having the distance limit of a remote controller GSM technology lets you control your gate or garage from any location in the world. You only have to call the phone number of the module and your gate instantly opens.



Universal integration

The GSM module output can be easily connected to the input of the gate controller and the relayed output will handle the emerging controlling tasks. Output can be controlled in mono- and also in bistable mode.

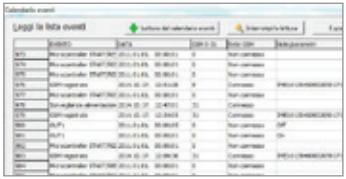
Working economical

User phone numbers can be easily managed remotely or when you are connected to the GSM module. Possibility to store 1000 telephone numbers will allow to handle access control of townhouses or even whole subdivisions.

Personal authorities

It can be set which user can control which output. One GSM module can control more gates, garages so operation is not only cost efficient but also safe.

Event log



You can track in the event log who and when opened the gate even if this demand arises months after the controlling. GSM module stores in its memory every important information related to the event which can be even easily exported.
The module can store 16.000 events in its memory.

Space efficient design

Small size facilitates easy installation and integration to existing systems of the GSM module. It can be easily positioned into the gate controlling closure so it makes installation and device integration easier.

Power monitoring

We can send notification of power-cut and restore. Own power source of the module serves as an uninterruptible power source so we are informed of every event instantly. Notification can be sent to multiple previously stored phone number.

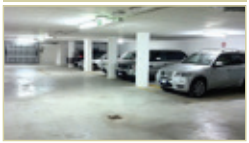
For whom/where we recommend?

TOWNHOUSES

VILLAS

COMPANY PARKINGS

PARKING GARAGES



COMPANIES

PEDESTRIAN ZONES

PARKING BARRIERS

RECEPTIONS

Related products

	outputs	controlling numbers	event log	power drain	
MultiOne GSM	1	SIM memory	-	12V@25mA/700mA 24V@15mA/350mA	**Page 18** →
EasyCon GSM	1	1000	16 000	12V@25mA/700mA	**Page 20** →
ProCon GSM	1 (+3)	1000	16 000	12V@30mA/700mA	**Page 22** →

REMOTE CONTROLLING

Control remotely your electronic devices and save the time and cost switch in/out would imply. You can remotely start and stop heating, sauna, lighting, alarm, pump etc.. Even 4 devices can be controlled simultaneously and independently.

Managing users remotely

You can add or remove users with SMS command thus you can grant or delete authorities without visiting the site. Remote controller and pass card will not stay at the client anymore which can lead to abuses.

Remote status check

You can check the status of your controlled devices with an SMS message thus you might save time and energy as you are informed without visiting the site.

Setting the outputs

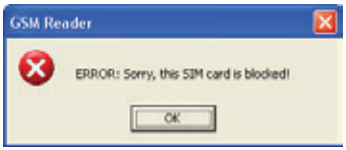
The output of the GSM module can be customized so it can meet any requirement. It can be operated as monostable (one state) or bistable (two states) output. Maximum duration of monostable controlling can be 65000 seconds. At will controlling can be anytime stopped or modified.

Expanding possibilities

If you would like to control more electronic devices with the GSM module you can expand the outputs. With the expansion panel you can control your devices remotely with different settings and independently.

Sending notification of status change

You might want to receive a confirmation SMS after controlling in which you are notified if the lighting, sauna or heating is on or off. This way parallel controlling can be avoided when there are multiple users.



Error notification

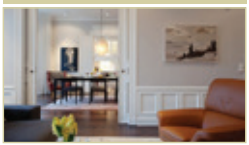
GSM modules can be set to control the output in case of a communication failure. With this setting you can be notified of the failure prior the missing life sign message.

Uninterrupted operation

By using the ProBattery battery you can power the GSM module and you can be also notified of the occurring power-cut. The quick connector fitted battery can be easily swapped if needed. The GSM module provides the battery with the appropriate charging voltage and maintenance.

For whom/where we recommend?

FLATS



DETACHED HOUSE

PARKING LOTS

IRRIGATION SYSTEMS

VILLAS

SERVER ROOMS

RECEPTIONS

OFFICES

Related products

	outputs	output type	controlling numbers	user authorities	
MultiOne GSM	1	230V relay	SIM	-	**Page 18** →
EasyCon GSM	1	OC relay	1000	-	**Page 20** →
ProCon GSM	1 (+3)	24V relay	1000	✓	**Page 22** →

FORWARDING ALARM SIGNALS

You can forward signals from other devices (ex. alarm center, fire-alarm or other electric appliance) via GSM network to monitoring centers and/or to your own number. You can set the module to send also voice- SMS- or Contact ID messages. It can translate the Contact ID message arriving from the alarm center to SMS text and that can be forwarded up to 8 telephone numbers.

International protocol

When using Contact ID and GPRS data connection the GSM module employs the communication protocols that meet the international standards.

Contact ID

SIA IP

Parallel signal forwarding

The communication channel of GSM modules can be freely selected so Contact ID messages arriving from alarm centers can be forwarded via voice call or GPRS channel to the remote surveillance unit. The GSM module allows you to select an internationally compatible encryption for the GPRS communication.

Translating Contact ID into SMS

Contact ID message can be translated to SMS and it can be forwarded to 8 telephone numbers depending on event type. We can substitute zone names with place names thus the user can easily read on his mobile phone what event happened at which place. The GSM module can match 250 zones with 250 events.

Line simulation, remote programming

For the alarm center GSM module provides a simulated line which is equivalent with the characteristics of a telephone line. The benefit of this that you might have a phone line where phone line is not available. The phone line facilitates to reach and remotely program the alarm center.

Plug and Play installation

If you need basic functions you can use the GSM module with the alarm center instantly without additional programming. Default settings facilitate sending Contact ID for remote surveillance centers.

Notification of GSM failure

Communication failure originated from GSM communication is feedbacked to the alarm center through output controlling. Depending on the settings user can be notified of the occurring errors.

For whom/where we recommend?

VILLAS

SHOPS

FLATS

OFFICES

TOWNHOUSE

HOLIDAY HOUSES

MONITORING STATIONS

FACTORIES

Related products

	Inputs	Outputs	PSTN line simulation	PSTN monitoring	
EasyCon GSM	2	1	-	-	**Page 20** →
ProCon GSM	5 (+1)	1 (+3)	-	-	**Page 22** →
EasyLine GSM	1	1	✓	-	**Page 24** →
ProLine GSM	2	1 (+3)	✓	✓	**Page 26** →

GSM ALARM CENTER

The GSM module can be used as an alarm center equivalent. The device has every usual alarm center feature. The only difference is that arming and disarming is made with a free phone call. Naturally using the GSM network you can send signs to monitoring centers or to yourself in voice message or SMS.

Notifiable phone numbers, multiple calls function

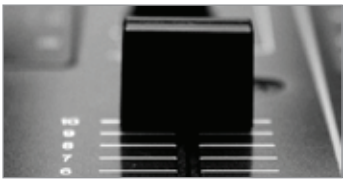
You can save 8 telephone numbers for notification into the module to which the module sends SMS and/or voice message. Users to be notified can be selected based on events and based on alarm types customized messages can be set.

Arming feedback

The EXP Alarm expansion notifies of the armed/disarmed state of the GSM alarm center. You can be notified of the alarm state by an LED or blinker so you can avoid annoyances due to trepidity when you arrive home.

Delayed zone

Inputs can be set as delayed zones so you can set how much time you have to leave the estate following the arming or how much time you have for disarming when you arrive home.

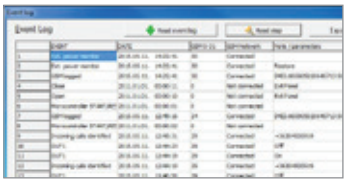


Zone sensitivity

The customizable input sensitivity ensures you can use any motion detector with the GSM alarm center. It can receive signals from shutter sensor to normal motion detectors due to the adjustable 5-leveled input sensitivity.

Event logs

The 16.000 entry event log ensures every GSM module related important event is stored. Event log can be exported to csv file for post-processing purposes. Modules are storing GSM signal strength history in a different memory.



Remote access

You can arm or disarm your alarm center from anywhere with a voice call or SMS message. You can set automatic arming or disarming or you can even set SMS notification on GSM alarm center status changes.

Sending life signs

You can set how often you would like to receive notification of stable system operation. You can receive the feedback message in SMS where day and hour can also be set.

Anti-Jammer System

Anti-Jammer System protects against GSM jammers. In case of detecting a GSM Jammer the module can send SMS message – if GSM network facilitates - or control one of its outputs. This enables a local alarm event.

For whom/where we recommend?

FACTORIES

STOCK-FARMS

HALLS

PUBLIC BATHS

HANGAR

AGRICULTURE

AGRICULTURAL UNIT

GREENHOUSES

Related products

	Inputs	Outputs	Battery	Expandability	
EasyCon GSM	2	1	-	-	**Page 20** →
ProCon GSM	5 (+1)	1 (+3)	✓	✓	**Page 22** →

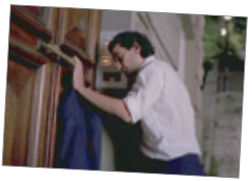
ENTRYPHONE, EMERGENCY CALLER

When you use a GSM entryphone instead of answering calls on the inner unit you can answer incoming calls on cell phone or landline. When somebody rings on the entryphone it will be handled by the GSM entryphone unit and it will call the previously set phone number. You can be anywhere you can answer the call and you can even open the gate with the buttons of your phone.







Universal integration

Module structure facilitates easy integration to analogue entryphone systems. Besides connecting microphone and speaker only the button of the outer unit must be connected to the module.

Unrestricted distance

GSM technology enables you to receive entryphone calls (ex. private, emergency call or customer service related) anywhere in the world.

3 functions in one module

By using InterCom GSM modules besides entryphone functions remote control functions are accessible, too. You can be even notified of power-cuts. One GSM module ensures for comfort, safety and calmness.

1000 users

You can set 1000 phone numbers with individual authorities to control the outputs. You can control more outputs with one GSM module and the outputs can be controlled only by authorized numbers.

Night mode

Protect the calmness of your night and use the night mode! You can set a time interval when the GSM module will not notify you of events arriving from the entryphone. Besides this you can open the gate with a free call.

Economical and green

You can set ringing and call time so there is a possibility to set a maximum how long can be a conversation through the GSM entryphone. At the designing process we considered the amount of energy used at standby so power drain of GSM modules are exceedingly low.

Emergency call

You can connect any lined or wireless emergency caller device to the GSM module then alarm event arriving from the unit will trigger a module action based on its settings: for example notifies the monitoring center, police or a social institute. It can send voice call and/or SMS to the end users (nurse, family member or acquaintance) to the previously stored phone numbers.

To whom/where we recommend?

RECEPTIONS

HOSPITALS

LIFTS

EMERGENCY CALLERS

PARKING LOTS

FLATS

EMERGENCY CALLERS

GATE/GARAGE CONTROL

Related products

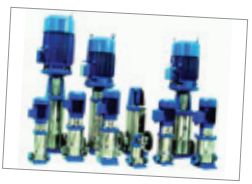
	Telephone numbers to notify	Mic./speaker connections	Voice message sending	Battery	
EasyCon GSM	8	-	✓	-	Page 20 →
ProCon GSM	8	-	✓	✓	Page 22 →
InterCom GSM	8	✓	-	✓	Page 28 →

INDUSTRIAL APPLICATIONS

GSM/GPRS modules helps you to control remotely even industrial devices i.e. you can program or control them remotely. Besides remote control you might receive notification of device proper or malfunctioning operation. Notification can be voice call or SMS.





Bus system

For convenient and more economical installation you can have expansion panels on the bus system at no more than 1000 meters.

Expansion possibilities

In bus system you can attach 16 expansions maximum to the module. These can be set as terminals on the module. You can control separately outputs and you can even receive unique notification from inputs.

Output configurations

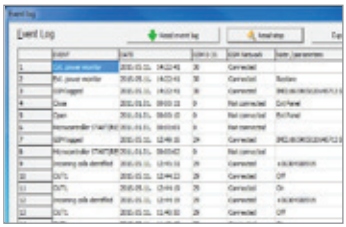
You can adjust separately GSM module and expansion panel outputs that can be controlled with SMS or voice call. Outputs can have monostable or bistable status. Remote programming facilitates to modify also other settings of the GSM module.

Sending feedback

You can receive feedback SMS on output controls so you are notified of the actual output state. Output can be controlled also with GSM communicational failure so you can provide notification for another device.

Event log and GSM signal strength monitoring

In the event log besides event time you can find the actual signal strength and also additional information. The GSM chart saves the lowest signal strength hourly. You can track back for years so the GSM network quality and stability can be easily checked.



Programming

The ProRead program provides holistic programming for the products and also for expansion panels. One program for every product that does not have to be installed, it contains the newest firmwares for every module and provides clear and user friendly programming.

Power source monitoring

GSM modules are able to monitor power grid. Powered by battery the GSM module in case of a power-cut can send SMS and voice message up to 8 numbers for notification.

To whom/where we recommend?

FACTORIES

STOCK-FARMS

HALLS

PUBLIC BATHS

HANGARS

AGRICULTURE

AGRICULTURAL UNITS

GREENHOUSE

Related products

	Inputs	Outputs	Battery	Expandability	
MultiOne GSM	1	1	-	-	**Page 18** →
EasyCon GSM	2	1	-	-	**Page 20** →
ProCon GSM	5 (+1)	1 (+3)	✓	✓	**Page 22** →
ProLine GSM	2	1 (+3)	✓	✓	**Page 26** →

MultiOne GSM

3 YEARS MANUFACTURER WARRANTY

PLUG & PLAY

Miniature GSM module that we developed especially for remote controlling. Due to its universal power needs the device is suitable for wide range use. Easy programming and Plug&Play connection makes installation quicker and easier.

1 optocoupler input

- When a voltage arrives to the input the device sends and SMS message to a previously stored number and it will ring a telephone number on demand
- Voltage arriving to the input can be between 5-30 V
- Input can be NO or NC

1 NO/NC relayed output 230VAC/24VDC

- The module has a relayed output that can be controlled with a free voice call using caller identification. Controlling telephone numbers (250/500) are stored on the SIM card which is inserted in the module
- Without caller identification the module can be controlled from any telephone number
- Output type can be normally closed or open, maximum load is 5A@230V/24VDC
- Output can operate in monostable or bistable mode; when in monostable mode maximum control time is 250 seconds

Programming with DIP switch and SMS

- Basic module settings are adjustable with the DIP switch. Telephone numbers for notification and output control duration in monostable mode can be set also with SMS commands
- Controlling phone numbers can be modified also with SMS

More features

- Plug&Play installation: device is ready to use without programming
- Power supply: 16-24VAC or 10-30 VDC
- SMS sending and forwarding to 1 telephone number


Automation: controlling gate, garage, barrier


House automation (air conditioning, sauna, irrigation system)


Shutter control


Light control


Barrier control


Heating control

TECHNICAL PARAMETERS

- Power supply: 16-24 VAC or 10-35VDC
- Idle/max. current drain: 12V@25mA/700mA
  24V@15mA/350mA
- Output relay load: max. 230@5A
- GSM module type: SIMCOM 800
- GSM frequencies: GSM 850 / EGSM 900 / DCS 1800 / PCS 1900 (Multi-Band)
- SIM card usage: carrier-free module
- GSM antenna type: with SMA connector
  (comes bundled in the package)
- Size: panel: 59 x 53 x 21 mm
- Package size: 132 x 128 x 32 mm
- Operating temperature range: -20 - +50 ˚C

RELATED PRODUCTS

Antennas

Mini Box

EasyCon GSM

Ultra compact GSM/GPRS communicator which due to its size it can be installed to the smallest places.

The GSM module has 2 inputs

- Input type can be normally open or normally close (NO/NC)
- When signal arrives to the input it can send voice call and/or SMS to 8 telephone numbers
- Siren sound or previously recorded voice message during the voice call
- Adjustable settings: ringing time, call attempts and daily SMS limit
- Multiple call function acknowledgeable with DTMF sound

The device has 1 OC output

- Output can work in monostable or bistable mode
- Output controllable with voice call or it can be activated with alarm/GSM failure
- Controlling can be made with caller phone number identification from 1.000 telephone numbers or from any numbers without using the feature
- Using OC relay the output of the device can be converted to relayed output
- Output can be controlled with SMS regardless of actual settings

Programming can be made with SMS, PC software, Android based application or with voice menu

- Due to SMS commands main settings can be modified remotely
- Adjustable SMS and PC security code
- Programming is also possible by using cable (USB) or wireless (Bluetooth)
- When using Android programming Bluetooth Adapter is a must

Notification to monitoring center

- Sending Contact ID message via voice call or GPRS (Enigma, SIA IP)
- Sending SMS or voice message
- Modifiable Contact ID and zone codes
- Notification in case of power source failure and sending periodical life sign message
- 2 phone numbers for notification to monitoring centers can be set

Other GSM module functions

- Synchronizing the clock of the GSM module with the clock of the GSM network
- Continuous power source monitoring and notification sending when voltage is decreasing or there is a voltage power-cut
- Event log of 16.000 entries, GSM signal strength hourly monitored and displayed in graph
- Forwarding incoming SMSs to a previously set telephone number
- Anti Jammer function against communication blocking signals
- Alarm center function, automatic arming/disarming


Forwarding alarm center signals via GSM


Sending notification of alarm in SMS or voice message to the user


Automation: opening gate, barrier, garage


House automation (air conditioning, sauna, irrigation system)


Notification to monitoring station


Miniature alarm center

TECHNICAL PARAMETERS

- Power voltage: 9-20 VDC
- Standby power drain: 25 mA
- Maximum power drain: 700 mA
- Open Collector output load: max. 30V / 400mA
- GSM module type: SIMCOM 900
- GSM frequencies: GSM 850 / EGSM 900 / DCS 1800 / PCS 1900 (Multi- Band)
- SIM card usage: unlocked GSM module
- GSM antenna type: with SMA connector (comes with the package)
- Dimension: 61 x 31 x 14 mm
- Operation temperature: 0°C - +40°C

RELATED PRODUCTS


USB-KIT


USB-ECO


Bluetooth Adapter


OC Relay


Antennas


AC/DC Adapter


AC/DC Panel


Rapid Holder


Metal Box

ProCon GSM

GSM/GPRS communicator with alarm center features. The device can be expanded with a range of accessories so it has a wide application range.

The GSM module has 5 inputs

- It has input features like EasyCon GSM but there are 5 inputs on ProCon GSM

The device has 1 relayed output

- Output can work in monostable or bistable mode; it can be controlled with SMS, voice call, signal arriving to input or with an event of failure
- Controlling with caller identification can be made from 1.000 phone numbers or from any telephone number without caller identification

Output expansion

- GSM module output can be expanded with Exp Relay, Exp Relay3 and BUS expander modules; relay load: 24VDC@1A
- Outputs can be configured and controlled independently and based on controlling telephone numbers different authorizations can be set

ProCon GSM as a standalone alarm center

- Due to Exp Alarm expansion panel we can suit the GMS module with alarm center functions; the expansion module provides one input that can be used for device arming/disarming
- Exp Alarm features a piezzo which notifies of entry and exit time; expansion module also features one OC relayed output that can be freely controlled

Programming can be made through SMS, PC software, Android application or voice menu

- Due to SMS commands main settings can be also modified remotely
- Programming is also possible by using cable (USB) or wireless (Bluetooth)
- When using Android programming Bluetooth Adapter is a must

Notification to monitoring center

- Sending Contact ID message via voice call or GPRS (Enigma, SIA IP)
- Notification in case of power source failure and sending periodical life sign message
- Modifiable Contact ID and zone codes
- 2 phone numbers for notification to monitoring centers and 4 server addresses (2 main 2 secondary) for GPRS communication can be set

Other GSM module functions

- Continuous power source monitoring and notification sending when voltage is decreasing or there is a voltage power-cut; it can be made uninterrupted with the battery
- Event log of 16.000 entries, GSM signal strength hourly monitored in graph
- Anti Jammer against communication blocking signals
- Dual Memory, dual save for saving settings safely
- Automatic arming/disarming with notification sending

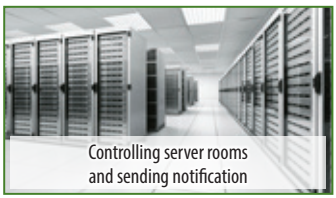

Forwarding alarm center signals via GSM/GPRS


Standalone alarm center


Automation: gate, barrier, garage


House automation (air conditioning, sauna, lighting, irrigation system)

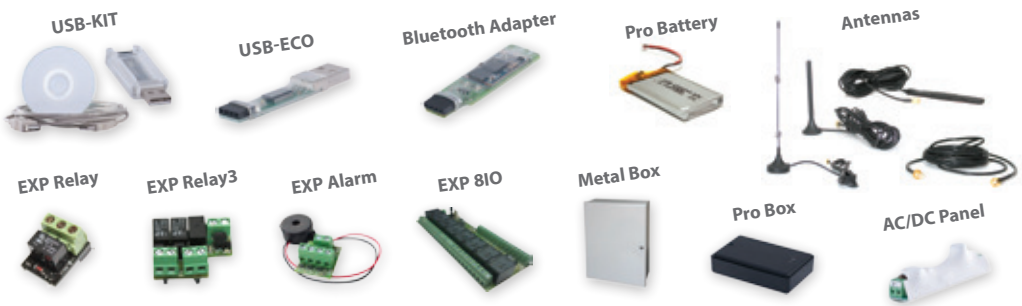

Controlling units on 220/230V and notification


Controlling server rooms and sending notification

TECHNICAL PARAMETERS

- Power voltage: 9-20 VDC
- Standby power drain: 30 mA
- Maximum power drain: 700 mA
- Relay maximum load: 30V@500 mA
- GSM module type: SIMCOM 900
- GSM frequencies: GSM 850 / EGSM 900 / DCS 1800 / PCS 1900 (Multi- Band)
- SIM card usage: unlocked 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

RELATED PRODUCTS



EasyLine GSM

Mini telephone line simulator, Plug&Play connection. It can forward to monitoring center any CID arriving from any alarm center. The device can simulate telephone line at places where there is no available telephone lines or it can be used as an auxiliary phone line besides the existing one.

Telephone line simulation

- Generated phone line voltage 48V, ringing voltage 72V
- Forwarding DTMF code via GSM network
- Forwarding on the most widely used protocols (Contact DI, 4/2 or SIA FSK)
- Plug&Play feature, the module can be used without programming
- Accessing alarm center remotely via voice call

The module has 1 input

- By default input is close (NC), which will send a notification to telephone number if there is a rupture
- Sends SMS notification to 1 stored telephone number in case of an alarm event

The module has 1 OC output

- Monostable output, controlling time can be modified with SMS or by DTMF sounds
- Output can be controlled with caller identification from 250/500 telephone numbers depending on the SIM card memory
- You can disarm the alarm center through its output

Programming can be made with SMS or with a telephone device connected to the line terminals

- Telephone numbers for notification can be set with SMS commands or with DTMF sounds
- Modifying SMS security code with SMS
- Sender/receiver signal modification

Sending notification

- Sending Contact ID to alarm centers via voice call
- Sending SMS to user

Ideal solution for

- Places where a phone line to have would be complicated
- Notification sending for alarm centers
- Providing GSM channel for centrals

Application fields

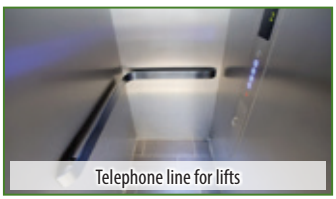
- Auxiliary telephone line besides existing ones
- Line simulation for alarm center
- Alarm center arming/disarming


Secondary telephone system


Line simulation for alarm center


Controlling: disarming alarm center


GSM line for center


Telephone line for lifts


Providing replacement for phone line ex. holiday house

TECHNICAL PARAMETERS

- Power voltage: 9-20 VDC
- Standby power drain: 80 mA
- Maximum power drain: 1000 mA
- OC relay maximum load: 30V@400 mA
- GSM module type: SIMCOM 900
- GSM frequency: GSM 850 / EGSM 900 / DCS 1800 / PCS 1900 (Multi- Band)
- SIM card usage: unlocked GSM module
- GSM antenna type: SMA connector (comes with package)
- Dimensions: 62 x 42 x 16 mm, packed: 132 x 128 x 32 mm
- Operation temperature: -20°C - +50°C

RELATED PRODUCTS

AC/DC Adapter

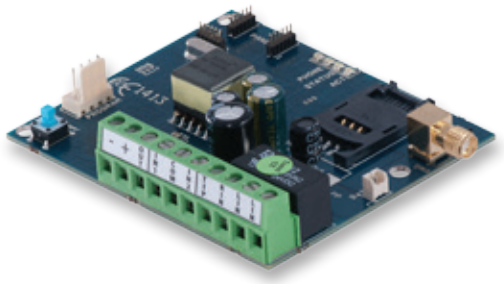
OC Relay

Metal Box

Rapid Holder

Antennas

ProLine GSM



Professional line simulator that can simulate a true telephone line via GSM network. The device can continuously monitor an existing telephone line. The module also can translate Contact ID of the alarm center into SMS.

Telephone line simulation

- Adjustable line and ringing voltage between 30 V and 72 V
- Forwarding Contact ID via voice call

The module has 2 inputs

- Input type can be open or close as default (NO/NC)
- When signal arrives to the input it will send voice call and/or SMS up to 8 numbers

The module has 1 OC output

- Output can work in monostable or bistable mode
- Output can be controlled with voice call, SMS or it can be activated in case of GSM network failure
- Controlling can be made using caller phone number identification from 1.000 telephone numbers or from any telephone number without identification

Output expansion

- GSM module output can be expanded with Exp Relay, Exp Relay3 and BUS expander modules
- Relay load: 24VDC@1A
- Outputs can be configured and controlled independently and based on controlling telephone numbers different authorizations can be set

The programming can be done with SMS, PC, software or Android application

- Main paramaters can be modified remotely by SMS commands
- Modifiable SMS and PC security code
- Programming can be made via cable (USB) or also wirelessly (Bluetooth)
- The program requires no installation

Notification to monitoring center

- Sending Contact ID message via voice call or GPRS (Enigma, SIA IP)
- Sending SMS or voice call notification from the 2 inputs
- Notification in case of power source failure and sending periodical life sign message
- Modifiable Contact ID and zone codes
- 2 phone numbers for notification to monitoring centers can be set

Other GSM module functions

- Translating Contact ID codes to SMS to users
- Synchronizing the clock of the GSM module with the clock of the GSM network
- Continuous power source monitoring and notification sending when voltage is decreasing or there is a voltage power-cut
- It can be made uninterrupted with the ProBattery battery
- Event log of 16.000 entries, GSM signal strength hourly monitored and graphed
- Forwarding incoming SMSs to a previously set telephone number
- Anti Jammer functions against communication blocking signals


Monitoring telephone line


Line simulation for alarm center


Automation: gate, barrier, garage


Forwarding alarm to monitoring center


GSM telephone line for alarm centers


Providing replacement via GSM for phone line ex. holiday house

TECHNICAL PARAMETERS

- Power voltage: 9-20 VDC
- Standby power drain: 80 mA
- Maximum power drain: 1000 mA
- OC relay maximum output load: 30V@400 mA
- GSM module type: SIMCOM 900
- GSM frequencies: GSM 850 / EGSM 900 / DCS 1800 / PCS 1900 (Multi- Band)
- Simulated line voltage: 30—72 VDC
- Ringing voltage: 72 VDC
- SIM card usage: unlocked GSM module
- GSM antenna type: with SMA connector (bundled)
- Dimensions: panel: 86 x 69 x 25 mm, packed: 132 x 128 x 32 mm
- Operation temperature: -20°C - +50°C

RELATED PRODUCTS


USB-KIT


USB-ECO


Bluetooth Adapter


Pro Battery


Antennas


EXP Relay


EXP Relay3

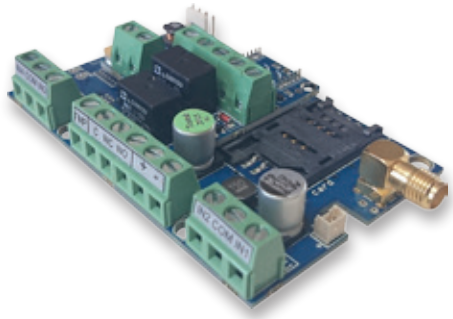

EXP 8IO

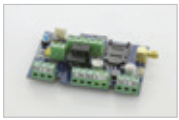

Metal Box


AC/DC Adapter


AC/DC Panel

InterCom GSM





The GSM can be combined with any 4+n analogue entryphone. The device facilitates entryphone calls to be received anywhere anytime directly on your mobile phone. InterCom GSM besides entryphone feature can be also used as a GSM gate opener.

System operation

- The GSM module connects the entryphone outer unit with the dialed telephone number via voice call
- One main and one auxiliary telephone number can be stored per flat
- Night shift mode: a time interval can be set when module will not forward incoming calls (ex. at night)
- InterCom GSM can also provide power source for the outer entryphone unit

The device can be combined with 4+n entryphones

- Besides power source the microphone and speaker has to be connected

The GSM module has 5 inputs

- Buttons of the entryphone has to be connected to the inputs of the module
- Ringing and speaking time can be set

The device has 2 relayed outputs

- Output can work in monostable or bistable mode
- During a call outputs can be controlled with DTMF sounds (telephone buttons 4 and 6)

Other GSM module functions

- Synchronizing the clock of the GSM module with the clock of the GSM network
- Continuous power source monitoring and notification sending when voltage is decreasing or there is a voltage power-cut
- The system can be uninterrupted with the ProBattery battery
- Event log of 16.000 entries, GSM signal strength hourly monitored and displayed in graph
- Forwarding incoming SMSs to a previously set telephone number

Tested with:

bpt bticino Comelit FARFISA galmar SSS SIEDLE TESLA STROPKOV, a.s. urmet VX VIDEX FERMAX


Wireless entryphone


Controlling: gate, barrier, garage


GSM emergency caller


Lift emergency caller


Taxi caller


Reception

TECHNICAL PARAMETERS

- Power voltage: 9-20 VDC
- Standby power drain: 40 mA (+ outdoor unit)
- Maximum power drain: 400 mA
- Relay output maximum load: 30V@500 mA
- GSM module type: SIMCOM 900
- GSM frequencies: GSM 850 / EGSM 900 / DCS 1800 / PCS 1900 (Multi- Band)
- SIM card usage: unlocked GSM module
- GSM antenna type: SMA connector (the package contains)
- Dimension: panel: 78 x 51 x 20 mm, packed: 132 x 128 x 32 mm
- Operation temperature: -20°C - +50°C

RELATED PRODUCTS

USB-KIT

USB-ECO

Bluetooth Adapter

Pro Battery

Antennas

AC/DC Adapter

AC/DC Panel

Rapid Holder

Metal Box

	EasyLine GSM	ProLine GSM	MultiOne GSM	EasyCon GSM	ProCon GSM	InterCom GSM
Inputs (+expander)	1	2	1	2	5 (+1)	5
Relayed outputs (+expander)	-	- (+3)	1	-	1 (+3)	2
Relayed output load	-	-	max. 230VAC / 24VDC@5A	-	max. 30V@500mA	
OC outputs (+ expander)	1	1	-	1	- (+1)	-
OC relay load	max. 30V@400mA		-	max. 30V@400mA	300 mA	-
User phone numbers for sending notification	1	8	1	8	8	4 x 2
User phone numbers for output control	SIM memory	unlimited / 1000 numbers	unlimited / SIM memory	Unlimited / 1000 phone numbers		
Monitoring station phone numbers	-	2	-	2	2	-
User phone numbers for forwarding incoming SMSs	✓/1	✓/1	✓/1	✓/1	✓/1	✓/1
Transmission channel	GSM/SMS	PSTN/GSM/SMS/ GPRS	GSM/SMS	GSM/SMS/GPRS	GSM/SMS/GPRS	GSM/SMS
Caller identification	✓	✓	✓	✓	✓	✓
Alarm center function (arm/disarm - entry/exit delay)	-	-	-	✓	✓	-
Selectable 24h zones	✓	✓	✓	✓	✓	-
Adjustable input sensitivity	-	✓	-	✓	✓	✓
Configurable inputs (NO/NC)	NC	✓	✓	✓	✓	✓
Independent signal sending to monitoring center	-	✓	-	✓	✓	-

Independent SMS sending to user phone numbers with customized text	✓	✓	✓	✓	✓	✓
Periodic test report sending	-	✓	-	✓	✓	✓
Sending recorded voice message to user phone numbers	-	✓/3	-	✓/3	✓/6 (+1)	✓/2
Sending alarm to user phone number with siren sound	-	✓	✓	✓	✓	-
Inbuilt internal clock	-	✓	-	✓	✓	✓
Event list / number of stored events	-	16 000	-	16 000		
GSM signal strength monitoring and logging hourly	-	✓	-	✓	✓	✓
Configurable own Contact ID codes	-	✓	-	✓	✓	-
Telephone line simulation	✓	✓	-	-	-	-
PSTN phone line monitoring	-	✓	-	-	-	-
Output activation with free GSM call	✓	✓	✓	✓	✓	✓
Security SMS password	✓	✓	✓	✓	✓	✓
Programming software (PC, ProRead)	-	✓	-	✓	✓	✓
Programming method	SMS/telephone	SMS / PC / Android	DIP switch/SMS	PC/voice menu		
Battery connection options	-	✓	-	-	✓	✓
Power drain (standby/transmitting over GSM)	80 mA/1000 mA	80 mA/1000 mA	12V@25mA/700mA 24V@15mA/350mA	25 mA/700 mA	30 mA/700 mA	40 mA + outside unit 700 mA
Simulated line/ringing voltage	48 VDC / 72 VDC	adjustable (30-72 VDC) / 72 VDC	-	-	-	-

ProRead software for PC programming

For overall programming of our GSM modules we suggest to use the ProRead software.

Test mode

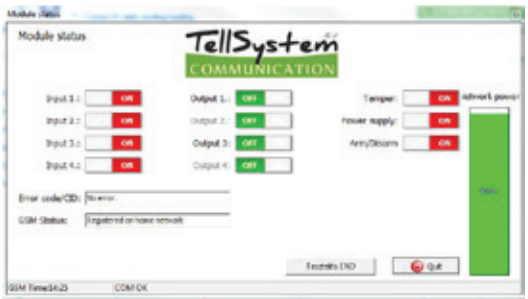
Test mode provides the chance to come to know the software and its functions, the product features before the purchasing. To run the test mode there is no need to connect a product.

Firmware upgrade

The software contains the newest product related firmware this way older products can be updated anytime with the newest upgrades and functions.

Turning off PIN code request

If you forgot to turn off SIM PIN code request prior of insertion into the module you can do it directly in the software.



PC security code

For the safety of module programming you can set a 4 digit security code. The GSM module can be programmed only with this code.

Actual state of the GSM module

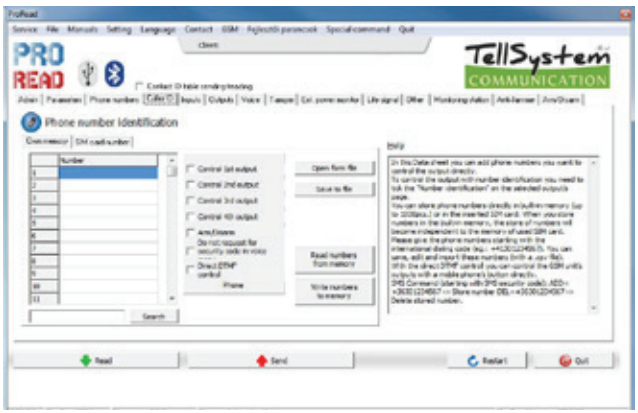
With the help of the software you can readout the actual state of the GSM module. Via USB or Bluetooth you can instantly check if settings are working correctly. The following data can be monitored: inputs, output statuses, power supply voltage, GSM signal strength etc.

Testing the output

You can test output settings before installation with the Test button on the Output tab.

Recording voice message

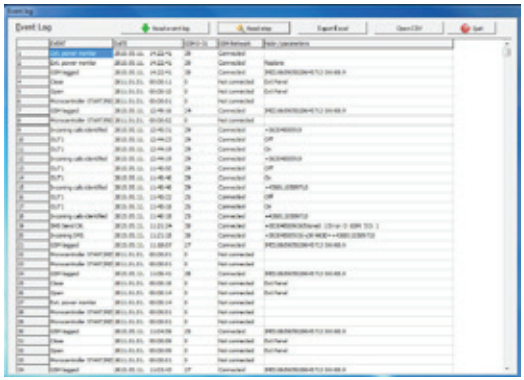
You can record personal messages under the "Voice" tab that will be played during the voice call initiated by an alarm event. For recording only a microphone is needed.



Memory

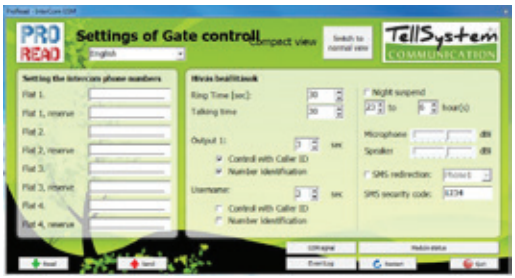
Due to the own memory of the GSM module controlling telephone numbers can be stored not only on the SIM card but also in the module.

The inner memory of the device can store 1.000 telephone numbers. Controllable outputs can be associated separately to telephone numbers.



Compact view for GSM entryphone and GSM gate opener

Taking into consideration our clients' request we developed a programming interface that makes GSM entryphone and GSM gate opener programming easier.



AndroRead application for programming

To simplify the programming of the TellSystem GSM modules we have issued Android based programming software that makes for easy setting and module programming by using your phone. The program has as requirement an Android mobile phone or tablet with Bluetooth connection!

It can help in setting up the GSM forwarding, GSM alarm center, GSM gate opener and GSM line simulation functions. Due to continuous updates more and more features will be available from the PC version of ProRead.

Programmers

USB Eco

USB key for the ProRead programming software

- Simple design
- The product doesn't include the cable and the installation CD

USB Kit

PC programming kit

- USB key to connect the module to the USB cable
- CD with ProRead multi language software (Windows 98/Windows XP/Windows 7)
- USB cable

Bluetooth Adapter

Bluetooth adapter to program wirelessly our products.

- Product programming is possible from a distance of up to 10 meters
- To be able to use it PC must have Bluetooth connection
- Using the Bluetooth adapter it's possible to communicate with the system from a distance without using a cable

Software

ProRead

Professional programming software that does not requires installation

- The program is freeware and contains the newest firmware that can be uploaded to the GSM module via USB or Bluetooth
- In Test mode you can come to know the program operation without a connected GSM product.

AndroRead

Android-based programming application for programming our GSM products wirelessly

Boxes

Metal Box

Box made from metal for every TellSystem GSM/GPRS module

- Sizes: 125 mm (width) x 155 mm (height) x 52 mm (depth) + 8 mm (spacer)
- Inbuilt tamper switch
- Contains the module holders
- Iron cover detachable with a single move

Pro Box

Plastic box for the ProCon GSM

- Sizes: 90 x 58 x 20 mm

Antennas

Antennas

Antennas of high gain for the modules

- With SMA connector
- With gain of 3 dB, 5 dB and 7 dB
- With magnetic or adhesive base
- Extension cord

Extensions

OC Relay

230V relay panel for the modules with open collector (OC)

- Input: Open Collector (OC)
- Relay: 240V@5A

EXP Alarm

Expansion module for the ProCon GSM

- Ads the alarm center feature
- 1 input to arm/disarm the system (ex. with remote controller, etc.)
- 1 status output (lamp or LED)
- 1 OC output (max. 30VDC/400mA) with similar EXP Relay features
- 1 piezzo notifies of entry and exit time

EXP Relay

Expansion module for the PRO GSM series, 1 NO/NC relayed output

- Output can be controlled from voice menu, with SMS or by free voice call
- Output can have as default one state i.e. timed monostable (maximum 65.000 seconds) or it can have two states i.e. bistable
- If ProCon GSM operates as an alarm center the output can control a siren

EXP Relay3

Output expander panel for ProCon GSM and ProLine GSM products

- 3 NO/NC relay outputs (max 24VDC@1A)
- Output can be controlled with SMS or with a free call
- Outputs can be configured separately (bi-, or monostable mode)
- Independently controllable outputs

EXP 8IO

Input/output expansion panel for the ProCon GSM product

- 8 inputs (contact driven), 8 relayed outputs (230V, NO/NC)
- Output can be timed (monostable, max 65000 secs), or two stated (bistable)
- Controlling with SMS commands; sending SMS with input contact to a previously stored phone number
- Programming with PC software; even up to 16 panels can be used together

Miscellaneous

Pro Battery

Battery for the Pro Series and InterCom GSM

- Connected to the device enables notification of power-cut (SMS, voice call or Contact ID) and facilitates further operation of the device
- 750 mAh Li-Polimer battery

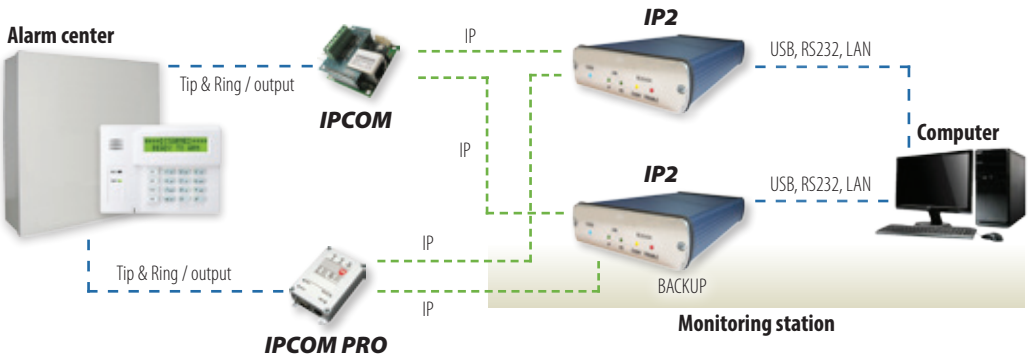
AC/DC Panel

AC/DC converter and battery charger

- Input: 13VAC-20VAC
  18VDC-35VDC
- Output: 13,6 V@1A
- Charging 12V battery

IP2

- Ultra compact design
- Communication via IP
- Webserver function, remote access of event memory
- 20,000 event memory
- At lack of supply powering from USB
- Ethernet connector (100 Mbps)



The Enigma IP2 monitoring receiver is ideal and cost-effective solution to build-up a monitoring station, where transmission is sent only through IP / GPRS channel. The product fits as a card in Enigma receiver. It can be attached via USB cable to the controller PC.

The device has a 100 Mbps ethernet socket so can be connected to through IP and GPRS. Incoming events can be viewed on the web. You only have to input in the browser the IP address and the port. Basic settings can be also adjusted on this surface.

Protocols supported:

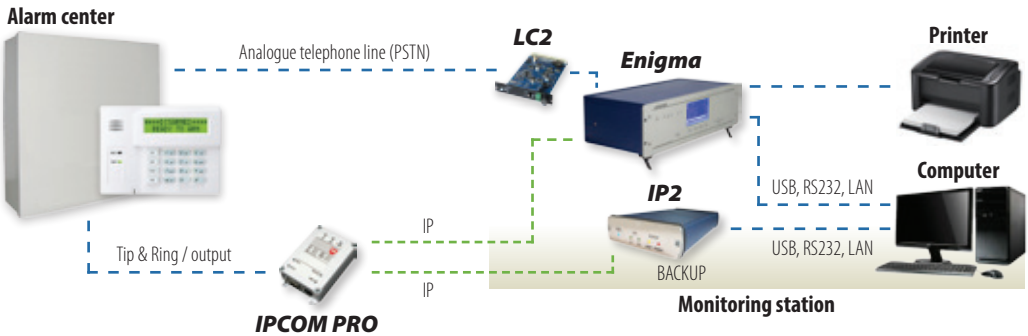
- 3/1, 4/2 formats with or without parity and 4/1 without parity for pulse formats at 10..40 bps
- 4/1, 4/2, 4/3 DTMF formats
- 3/2 and 4/1 with checksum, and extended formats optional
- Acron DTMF format
- Ademco Contact ID format
- Ademco SuperFast or High Speed format with or without parity
- Ademco Express format
- FBII Superfast format with or without parity
- SIA FSK format: 110 and 300 baud, tone and data acknowledge. Full level 2, partial level 3 support.

TECHNICAL PARAMETERS:

- Power supply 12 Vdc @ 3A
- Maximum current consumption about 200 mA (on USB: about 100 mA)
- Event buffer up to 20.000 events
- Ethernet connector 100 Mbit
- Operating temperature 10 °C / +30 °C
- 40% relative humidity
- Sizes (W / L / H) 110 x 190 x 35 mm
- Weight 300 g

ENIGMA

- Up to 8 LC2 PSTN line cards
- 2000-event non-volatile event buffer in the CPM2
- 500-event non-volatile buffer on each line cards
- Webserver function for remote controlling memory
- IP communication receiver (simple CID, Enigma protocol, SIA IP CID)
- Continuous check of the receiver-computer link with "heartbeat"protocol

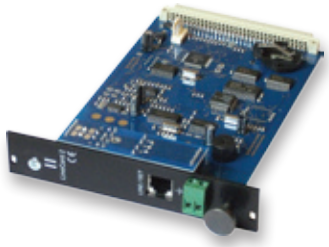


- The ENIGMA is a multi-line, multi-format digital receiver for commercial fire and burglary monitoring. The standard unit consists of a CPM Central Processing Card, one IP card and a PWR Power Card. With additional Line Cards, the receiver can be enabled to monitor up to 8 telephone lines. The ENIGMA II DR-81000 can receive and decode most of the popular and commonly used communication formats.
- The ENIGMA stores all events with time and date stamped. All information is displayed on the large LCD screen, and the events may be printed and/or forwarded to a computer. To ensure security, all programming functions, including the adjustment of the real time clock and date is password protected.
- The Central Processing Unit (CPM2) controls the operation of the receiver. The CPM Unit incorporates two serial ports, a high-speed USB port, and an Ethernet interface for computer connection and one parallel printer port. The CPM Unit has two external inputs, one for external acknowledge, and one for tamper recognition. The CPM Unit features a 2000-event non-volatile memory buffer. The contents of the buffer may be browsed on the LCD screen. If the printer or computer is off-line, the CPM2 Card will store the incoming events in its buffer, and will automatically forward them, when the connection restores. The CPM2 controls the large graphical LCD display of the receiver, which enables it to implement unique, user friendly features like changeable display font sizes, full line card control, and easy-to-use manual programming.
- Connectors: 2 serial ports RS-232, 1 printer serial port, 2 USB ports (compatible with USB 2.0), 1 100 Mbps Ethernet port,
- Other attributes: 2 programmable input on CPM2, large graphical LCD display; constant phone line monitoring; fits in rack socket.
- Protocols supported:
  - 3/1, 4/2 formats with or without parity and 4/1 without parity for pulse formats at 10..40 bps
  - 4/1, 4/2, 4/3 DTMF formats
  - 3/2 and 4/1 with checksum, and extended formats optional
  - Acron DTMF format
  - Ademco Contact ID format
  - Ademco SuperFast or High Speed format with or without parity
  - Ademco Express format
  - FBII Superfast format with or without parity
  - SIA FSK format: 110 and 300 baud, tone and data acknowledge. Full level 2, partial level 3 support.

TECHNICAL PARAMETERS:

- Power supply 16.5 Vac @ 30VA (main) / 12Vdc @ 7Ah (battery)
- Maximum current consumption about 500 mA (depends on configuration)
- Event buffer up to 2.000 events
- Operating temperature 10 °C / +30 °C
- 40% relative humidity
- Sizes (W / L / H) 485 x 220 x 135 mm
- Weight 5200 g

LC2



LC2 Line Cards

- Each Line Card (LC2) can monitor a telephone line. The Line Cards contain a 500-event event memory to record events and caller information. Caller Identification capability is built-in and the telephone number of the calling party can be displayed, printed, stored in memory and forwarded to the automation computer. The Line Cards also supports the 2-way audio listen-in.
- The Line Cards are continuously supervised by the CPM Unit to ensure uninterrupted communication. Any trouble conditions are immediately reported on the LCD screen and printer and/or forwarded to the computer. The Line Card also verifies the communication with the CPM Unit. In case of CPM malfunction the operator will be advised with an audible indication and the Line Cards will continue to function in stand-alone mode - it will continue receiving events and store them in its buffer. The events will be forwarded to the CPM Unit after the connection restores. Line cards support 2-way audio connection.

IPCOM

- With the IPCOM Communicator, the PSTN communication of the control panels can be captured and forwarded via IP (ethernet) network, to compatible monitoring stations, like the ENIGMA II digital receiver, which is capable for reception of IP events in its default configuration.
- Using IPCOM is recommended at installations, where there is a stable Ethernet network infrastructure available, and there is either no telephone line or its quality renders PSTN communication unusable, or simply the telephone bill must be spared.
- IPCOM can be used as a primary IP communicator with PSTN backup option, if an external PSTN line is available.
- Compact design (can be connected directly to the TIP/RING terminals)
- DTMF/Contact ID dialer capture
- 2 programmable I/O ports
- Fixed or Dynamic (DHCP) IP address
- 2 servers (receiver) can be set for backup/full reporting mode
- Reporting IP protocol can be set by servers (UDP/TCP, reporting format, etc.)
- SIA IP Event Reporting protocol support (SIA DC-09)

IPCOM PRO

In addition to IPCOM, IPCOM PRO has the following features:

- PSTN dialer (DTMF/Contact ID) for backup, or separate PSTN reporting
- External PSTN line connection, direct PSTN communication to the monitoring station
- Industrial aluminium die-cast housing
- LED signalling (TMT Certification requirement)

AlarmSys CMS Automation Software Package

The Alarm SyS automation software package makes the work of the monitoring stations easier. With it, the events coming in from objects can be interpreted fast and easy through written and graphical information and sound effects, and the operator can react on them within shortest time.

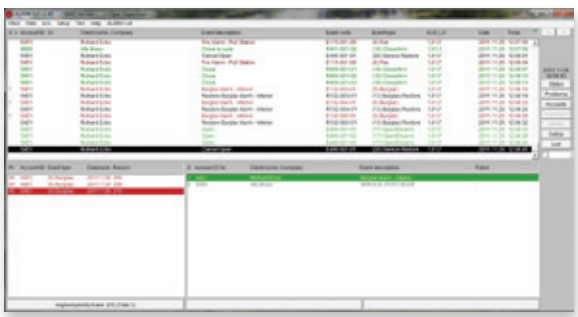
The software package is available in 4 diverse versions:

DEMO: Free of charge demo version, it can work without digital receiver (up to 10 client accounts)

LITE: This version can be used only with digital receiver (up to 100 client accounts)

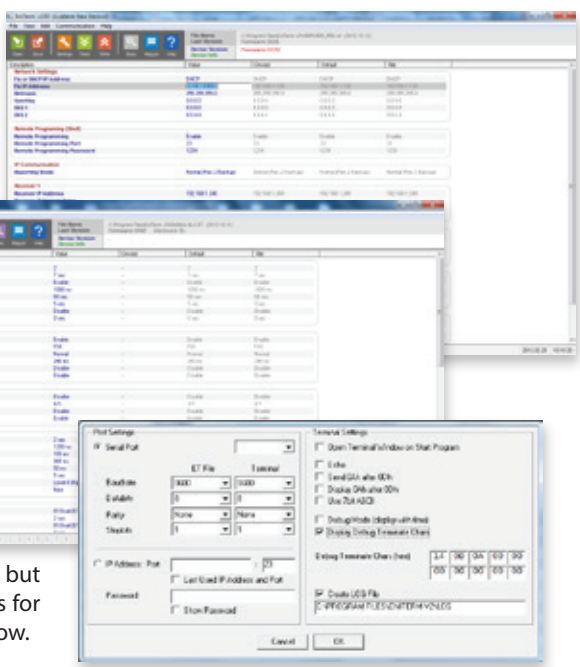
BASE: This version can be used only with digital receiver (up to 500 client accounts)

FULL: This version can be used only with digital receiver (unlimited client accounts)



Software can handle several receivers in the same time. Client data might contain personal or technical information. State of the monitorized devices are inspected constantly. At events various priority levels can be set. The device stores and archives every event. Updating the software leaves database intact.

EniTerm universal Programming Tool



EniTerm programming software can be used for the configuration of VBIP, VBRC and ENIGMA units. The software contains a default setting file for each device. As first step we should choose the default setting file according to the programmable device. After setting the appropriate communication port (COM port or IP address) the settings can be read from the device, or new settings can be sent to the device immediately. It is possible to import the settings to a file, or to load settings from a file. Additionally the software provides a useful interface to compare the default data with the read data from the device. At last but not least the program ensures useful devices for testing and debugging with a terminal window.

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