WIRELESS SAFETY TRANSMITTER

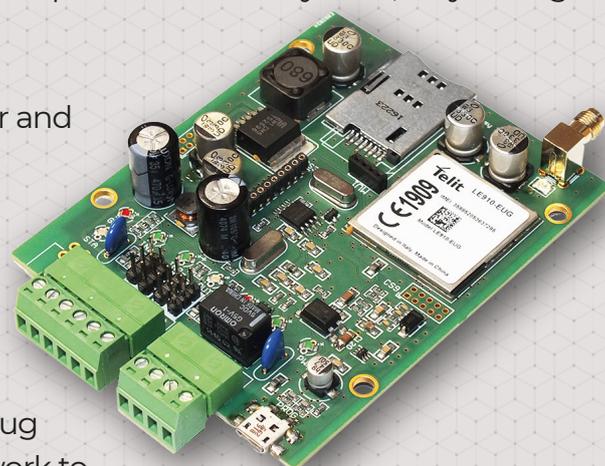**WM SYSTEMS**

Easy-to-integrate wireless alarm signal transmitter - with cellular communication

Land-line based security systems are the past. They are more expensive to operate and less secure than modern cellular-based security systems. No need to replace the whole system, only the signal transmitter module. Upgrade to cellular today.

The device is our reliable cellular alarm signal transmitter and remote input monitoring device for security systems. It is suitable for both alarm signaling, input monitoring (through its I/Os) and can even be used to control connected devices (like gates) remotely.

The communicator receives the incoming alarm signals from connected security sensors through the tip-ring plug and transmits alarm signals via LTE 4G / 2G cellular network to the security monitoring or dispatch center through the SIA DC-09 or CID (Contact ID) protocol.

Notification can be made:
- GSM network to a remote monitoring center
- On a mobile internet network (LTE or 2G) to an IP address
- To an IP receiver or SIMS Cloud server

The device can be configured remotely using our EasyTerm config tool, or via SMS messages. It emits periodic life signals and provides detection and notification capabilities of wire cut sabotage. The output line can be switched remotely (for gate opening, device control). Alarms / events can be configured to send immediate SMS notification (up to 4 phone numbers).

MAIN FEATURES

- LTE 4G / 2G cellular internet module
- Retrofit your land-line security system with our cellular alarm transmitter so you will not need to replace the whole system to have a future-proof solution
- Use it as backup alarm transmission channel (GSM voice or data)
- Connect external devices you would like to control remotely
- Extend the system with further I/Os (optional expansion)
- Connect an extra siren, a spare battery pack, or a sabotage switch to the device and provide thus the highest level of safety for your home, office, company

APPLICATION

- DISPATCHING CENTERS
- COMPANIES
- OFFICES, HOTELS
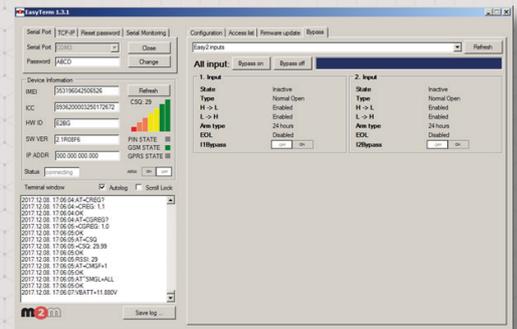- RESIDENTIAL COMMUNITIES

WIRELESS SAFETY TRANSMITTER

COMMUNICATION

- GSM communication (GSM voice call signaling, supporting the traditional dispatching centers)
- Alarm signaling on cellular network (LTE / 2G)

MAIN FEATURES

- Alarm signaling to primary and secondary IP addresses
- Reception of voltage/contact signals
- Contact ID (CID) codes, DTMF encoding
- SIA DTMF / SIA DC-09 protocol
- Life signals, Zones, event handlong
- SMS notification (alarms, reports)
- Output switch (modes: mono-stable and bi-stable, delay is configurable)
- Gate opening (on USB port, by SMS text, phone call, via TCP)
- Managing a contact list for output control
- Optional sirena usage
- EasyTerm® configuration software
- Configuration by SMS text messages
- Firmware refresh and reconfiguration (on USB, TCP)
- Compatibility with IP receivers, SIMS Cloud® software

Wireless Safety Transmitter®		2G	4G
Power	Voltage	• Power voltage: 8-24VDC	
	Current	• Stand-by: 45-95mA @12V • Max.: 160-650mA @12V (according to module type)	
Communication module	Mobile standards	• 2G (GSM / GPRS)	• LTE Cat.1 / 2G
	Module type	• Telit GL865-DUAL v3.1, GPRS class 10	• Telit LE910R1-EU, 3GPP Release 13 compliant
	Bands / Frequency (MHz)	• GSM/GPRS (2G): B3(1800), B8(900)	• LTE Cat.1 / 2G: B1(2100), B3(1800), B7(2600), B8(900), B20(800), B28(700) • 2G (GSM/DCS/PCS/EGSM): B3(1800), B8(900)
	Speed (DL/UL)	• GPRS: 80/40 kbps	• 4G LTE: 10/5 Mbps • 2G: 80/40 kbps
	SIM card slot	• mini SIM (2FF, push-insert)	
	Antenna connector	• SMA, 50 Ohm	
Communication	Protocol	• Alarm center signaling protocol • TCP/UDP based communication • Contact ID (SIA DTMF, SIA DC-09)	
	Compatibility	• Contact ID compatible devices • IP receivers (such as Enigma®, IP2 Receiver®) • SIMS Cloud® dispatching software	
Interface	Inputs, interface connectors	• 2pcs inputs (configurable by jumpers), input modes: • voltage (galvanical independent, high signal level: 2-24V, low signal level: 0-1V) - terminal block connector • contact (0.33mA, short, 10kOhm resistor detection)- terminal block connector • 1pc relay output (switch/control, 2A 120V AC, 1A 24V DC)- terminal block connector • ALARM TIP RING (simulated analog phone line) - terminal block • Power connector (8-24VDC), terminal block - power source from alarm system's 12VDC or by an external DC power source or battery • micro-USB connector (configuration, firmware refresh) • IO-expansion PCB (further 6pcs inputs, 3pcs relay outputs) - order option	
User interface	Configuration	• EasyTerm® software (parameter configuration, firmware updates) - on USB port, TCP/IP connection, via Ftp / SMS text commands	
	Operation LEDs	• 5 operation LEDs (alarm, inputs, output, operation, cellular signal strength)	
Construction	Temperature	• Operating: from -40'C to 70'C degree (at 0-95% rel. humidity) • Storage: from -40'C to +80'C degree (at 0-95% rel. humidity)	
	Outfit	• PCB edition, IP21 protection - mountable by screws or can be installed into the safety alarm center's aluminum enclosure	
	Dimensions / Weight	• 96 x 77 x 22mm • 160gr	

CE