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EDITION

GSM PRODUCT CATALOG 2014

REMOTE CONTROL AND MONITORING

ALARM AND SECURITY

WIRELESS AND ACCESSORIES

SOFTWARE AND SERVICES

CONTENT

ABOUT THE COMPANY

COMPANY OVERVIEW

ELDES is an experienced electronic engineering company specialized in alarm and security products, M2M monitoring and remote control solutions. Established in Lithuania in 2005 with a strong emphasis on Research & Development (R&D), it passes on the advantages of low production costs and an innovative, technology-friendly business environment.

ELDES solutions are designed to bring everyday's freedom and comfort. The company provides security systems which can be controlled by various types of interfaces, from mobile devices to keypads, keyfobs. GSM technology enables to get security alerts via text message or call as well as monitor equipment distantly.

ELDES employs experienced, innovative electronic engineers with strong backgrounds and know-how in non-standard micro-processing, analogue electronic design and automotive equipment. With a dedicated team of professionals ELDES works with large and small progressive distributors and retailers, developing and deploying our comprehensive solutions, which address their customers' specific needs.

Our driving ambition is to make products that meet one's specific needs. With your feedback, we can develop products and solutions you are looking for, starting with general product enhancement, to a special application.

ELDES R&D IS ABLE TO MAKE:

- Eldes product customization within 10 days
- New GSM product within 60 days

KEY FACTS

FOUNDATION
Founded in 2005, Lithuania
More than 50 employees

IMPORTANT NOTICE
All assemblies are made in Europe.

MARKETS SERVED
- Consumer
- Industrial
- Automation
- Security
- Remote control and monitoring

MARKET PENETRATION
- 50 countries worldwide and sustainably growing

AWARDS
- "Merits to Business" for important national achievements in business in the category "Young and Enterprising", awarded by Ministry of Economics of the Republic of Lithuania, 2011.

- "Sail of Europe" for the best EU project in the category "Science and Innovation", awarded by Ministry of Finance of the Republic of Lithuania, 2010.

- "Lithuanian Product" (ELDES EPIR) for the best housing equipment in "Alarm and Security" category, awarded by national committee of "Home World 2010", Lithuania, 2010.

■ Eldes market
■ Eldes offices
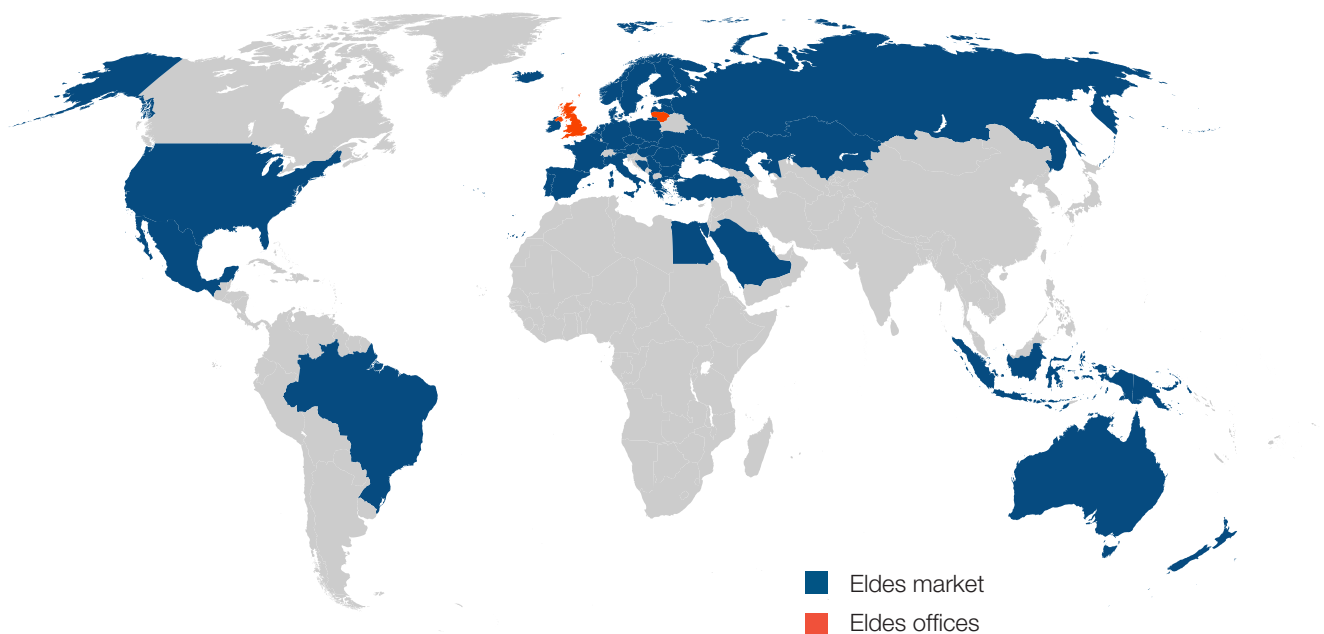
PRODUCT OFFERING

- PCB boards – products for integrators
- END products – fully implemented
- Services – delivering added value to our solutions

TO FIND OUT MORE ABOUT COMPANY:
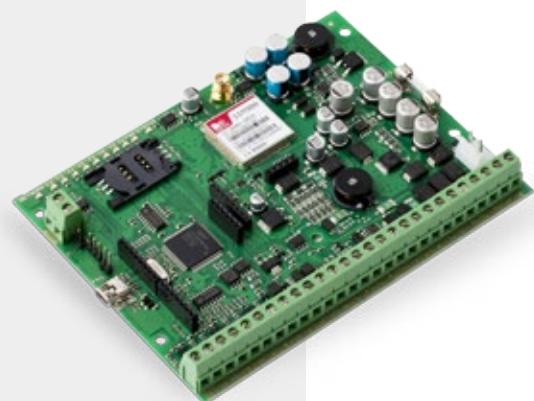

BUREAU VERITAS
Certification

ISO 9001

Quality standard at Eldes
fully comply with the requirements of ISO 9001.

Design, manufacture and sales of electric equipment are
certified through Bureau Veritas Lithuania, 2013

ESIM264

GSM SMART HOME 44 ZONES CONTROL PANEL

ESIM264 is an Alarm and Control Panel for securing premises and controlling electronic devices or managing building automation through the GSM network. The panel can work as a personal alarm system informing only authorised users via SMS/ CALL or it can communicate with a monitoring station.

COMPLIES WITH EN 50131-1 GRADE 2 CLASS II

APPLICATIONS

- Security of premises
- Control of electrical devices by SMS text
- Temperature measurement and control
- Electric power network failure control
- Wireless intercom
- Tank level or other 0-30V Voltage sensor measurement (optional extra)

FEATURES

- Arm/disarm by free of charge call, keypad, iButton, wireless keyfob or any input
- Built-in Quad-Band GSM/GPRS communicator
- SMS and/or CALLS to 5 authorised users
- CONTACT ID for monitoring station through GSM voice or GPRS
- Easily transformable to 868MHz wireless alarm panel
- Temperature measurement and alarm when the controlled temperature exceeds the allowed limits
- STAY feature
- Intercom extension module
- 4 ways of configuration: SMS, Keypad, USB or Internet
- Event Log access by Internet
- Compatible with EGR100 monitoring station software

METAL ENCLOSURE ME1 FOR ESIM264/364

- Transformer included
- Transformer type TSZZB 40/002M/3
- Transformer input 230V AC
- Transformer output 17V-2,35A
- Fuse 1A
- Tamper switch

TECHNICAL SPECIFICATIONS

Partitions **2**
On-board zones **6 (12 ATZ mode)**
PGM outputs **4, possibility to increase to 44**
Wireless **Optional extra**
Expandable wireless devices: (zones, PGM, key fobs, etc.) **16**
Keypads **4**
Keypad zone support **yes**
User codes **30**
Dallas key iButton reader **yes**
On-board programmable outputs **4x500mA**
Event buffer **100**
Event Log **500**
Built in GSM/GPRS module **900/850/1800/1900 MHz**
Ways of event communication **Ademco Contact ID, SMS, Voice Calls, GPRS,**
Authorized users **5**
Digital temperature sensor **DS18S20, DS18B20**
Microphone **yes**
Audio OUT **optional**
Dimensions **140x100x18mm**

V 3025

Accredited by inde-
pended body Czech
Accreditation Institute

COMPATIBLE
WITH ELDES
SMART
SECURITY

ANDROID SOFTWARE

IPHONE SOFTWARE

ESIM364

GSM 76 ZONES WIRELESS CONTROL PANEL

ESIM364 is a multi-functional hybrid alarm and control panel with built-in GSM& Wireless modules on board. The system can be upgraded with PSTN and/or Ethernet based communicator for operation in IP based network.

PCB PSTN +
ELAN3-ALARM
(optional)

Dual SIM

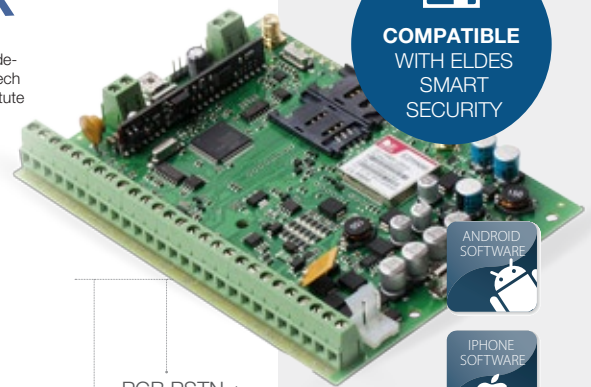### EN 50131-1 GRADE 3 CLASS II CERTIFIED

FEATURES

- Compatible with ELDES Smart Security. Android and IOs apps
- Convenient system configuration via:
- GPRS, SMS, Keypad, USB or IP network (optional)
- Remote configuration does not require Static IP address
- Multiple Arm/disarm methods: Free of charge call, SMS, keypad, key-fob, Dallas key
- Contact ID to monitoring station via GSM Voice, GPRS, PSTN, IP network (optional)
- SIA IP to monitoring station via GPRS, IP
- Remote real time diagnostics via GPRS/IP
- Remote firmware upgrade
- SMS, Calls, Voice messages to 10 authorized users
- PGM output control by event and/or scheduler
- Supports up to 16 separate logic schedulers

TECHNICAL SPECIFICATIONS

Partitions **4**

On-board zones **6 (12 ATZ mode)**

Expandable zones **up to 76**

Wireless   **868MHz integrated**

PGM outputs **4 , possibility to increase to 76**

Keypads **4**

Keypad zone support **yes**

User codes **30**

Dallas key iButton reader **yes**

On-board programmable outputs **4x500mA**

Event buffer   **100**

Event Log   **500**

Built in GSM/GPRS module **900/850/1800/1900 MHz**

Ways of event communication **Ademco Contact ID, SMS, Voice Calls, GPRS, PSTN optional, Ethernet (optional)**

Authorized users   **10**

Digital temperature sensor **DS18S20, DS18B20**

Number of temperature sensors **8**

Wireless keyboard EKB3W support **yes**

Voice Messages **yes**

Microphone **yes**

Audio OUT **optional**

Dimensions **140x100x18mm**

ACCESSORIES

METAL ENCLOSURE ME1 FOR ESIM264/364

- Transformer included
- Transformer type TSZZB 40/002M/3
- Transformer input 230V AC
- Transformer output 17V-2,35A
- Fuse 1A
- Tamper switch

I/O ETHERNET CONTROLLER ELAN3-ALARM FOR ESIM364

Enables Internet access through LAN interface

KEYPAD EKB2

ESIM264/364

AREAS OF USE

Security of premises
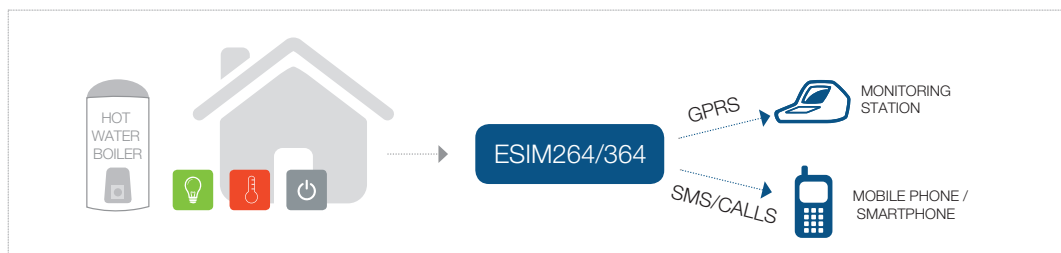24/7 Home security, reports about the breach

Control
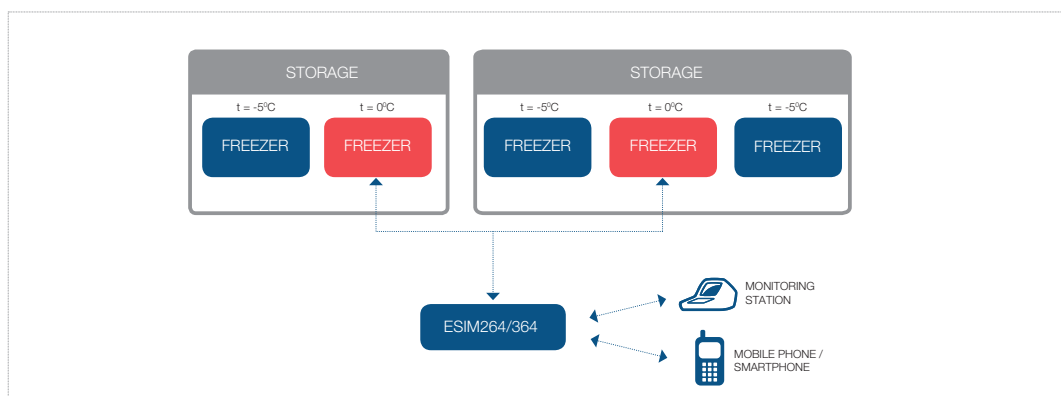Remote electrical equipmet control
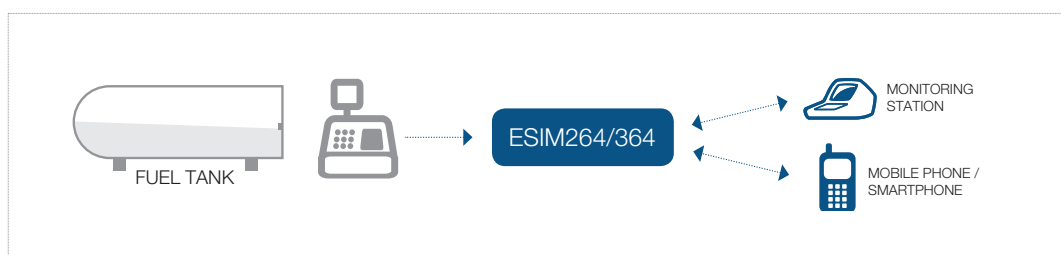
Real time monitoring
Instant alerts of connected devices Cost saving solutions for industrial and home applications: energy, temperature and other resources
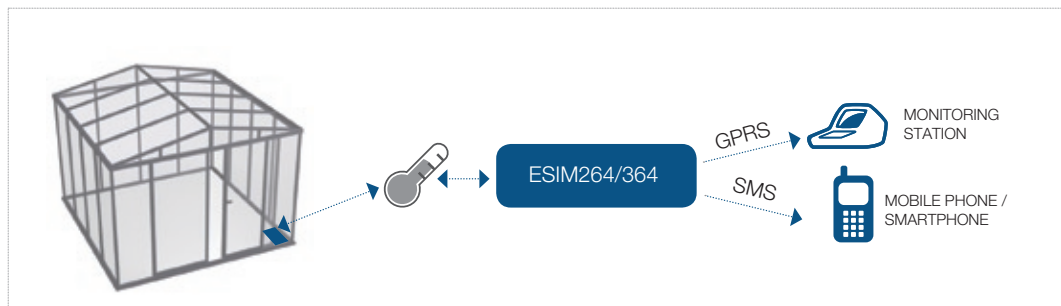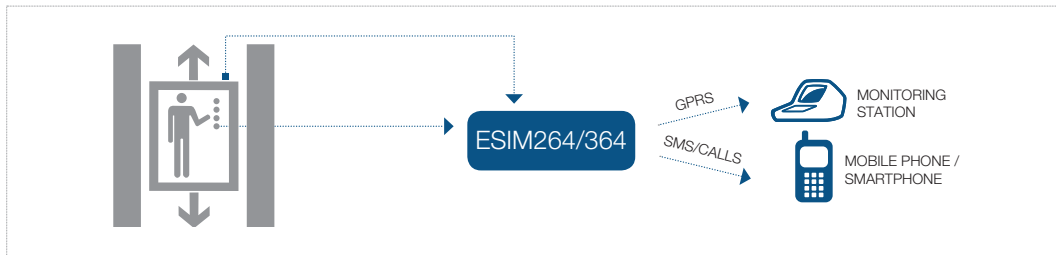

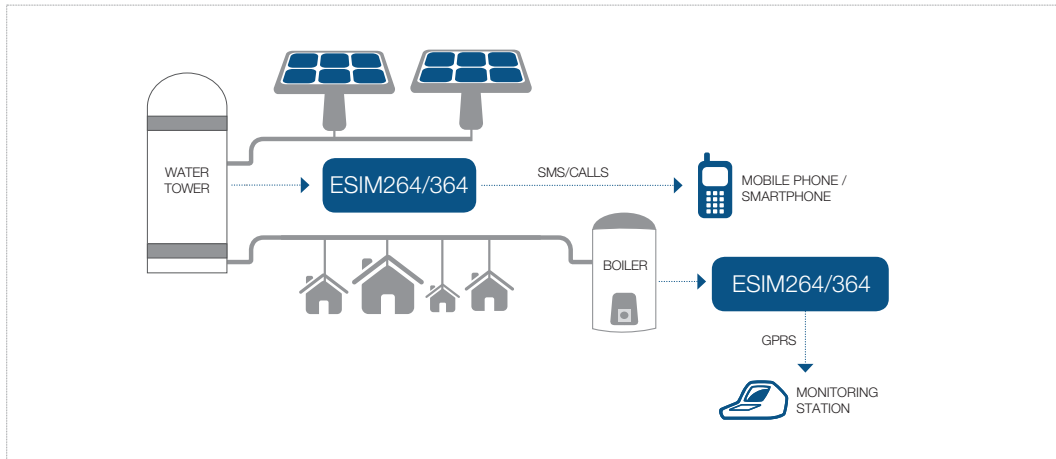HOME SECURITY AND AUTOMATION

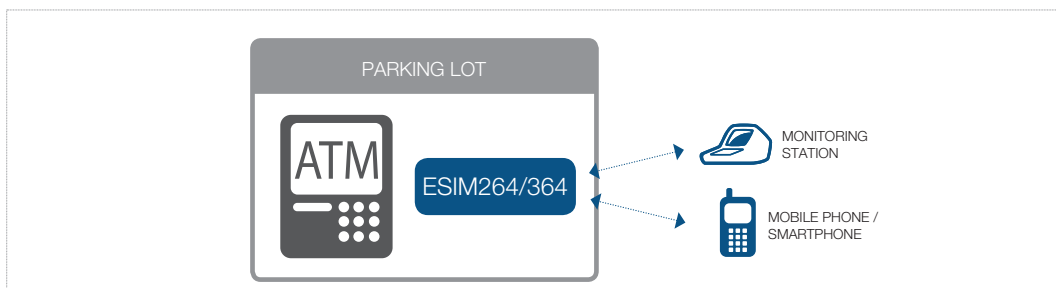STORAGE SERVICES

FUEL TANK CONTROL AND MANAGEMENT
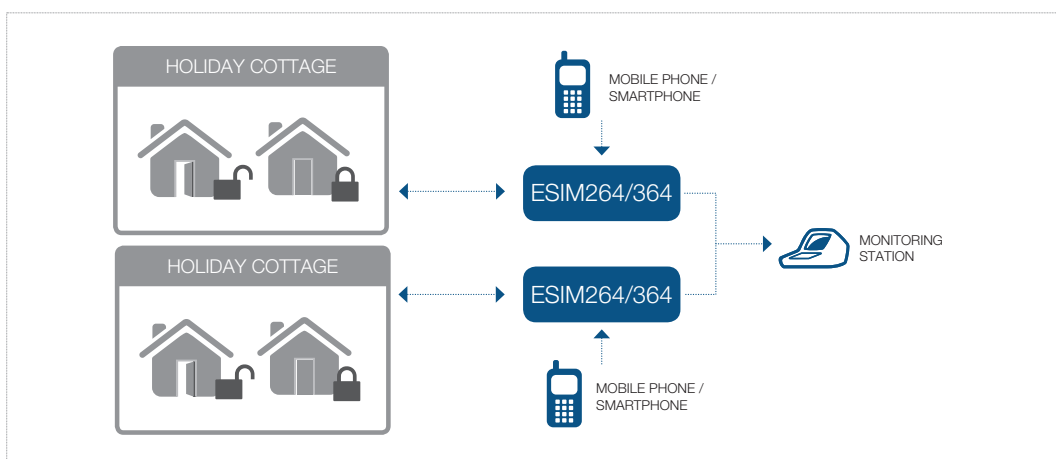

GREENHOUSE MONITORING

ELEVATOR MONITORING

ENERGY SUPPLY AND UTILITY MAINTENANCE COMPANIES

ATM CONTROL AND PROTECTION

RENTAL HOUSES

COMPATIBLE
WITH ELDES
SMART
SECURITY

ANDROID
SOFTWARE

IPHONE
SOFTWARE

Backup battery inside
SIM card holder

EPIR2

STANDALONE GSM ALARM SYSTEM

EPIR2 is a complete security system with GSM integrated in one very compact and easy to use device. Control panel, motion detector, wireless and GSM module systems all in one product. EPIR2 will immediately alert about security breach via SMS or call.

STARTING SECURITY SYSTEM EPIR2 OPERATION IS AS SIMPLE AS MOBILE PHONE:
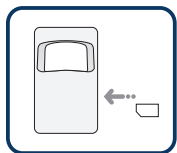
Insert SIM card
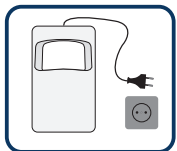
Connect to mains power socket

The system is ready to work

Retail-ready packaging

FEATURES

- Self-install system
- Arm/disarm by free of charge call, keyfob or EKB3W keypad
- Built-in Quad-Band GSM/GPRS communicator
- SMS and/or CALLS to 10 authorised users
- CONTACT ID for monitoring station through GSM voice or GPRS
- Integrated 868 MHz ELDES WIRELESS
- Built in microphone and backup battery
- 4 ways of configuration: SMS, USB, Internet or keypad
- Event Log access by Internet

APPLICATIONS

- Apartments
- Summer houses
- Garages
- Small shops
- Campers
- Boats

TECHNICAL SPECIFICATIONS

Supply voltage   **11-15V**

On-board zones   **1 digital infrared PIR sensor zone and 1 wired zone**

Expandable zones **up to 34**

Expandable programmable outputs **up to 32**

Wireless   **868 MHz integrated**

Expandable wireless devices: (zones, PGM, key fobs, etc.) **16**

Event Buffer   **100**

Built in GSM/GPRS module **850/900/1800/1900 MHz**

Ways of event communication **Ademco Contact ID, SMS, Voice Calls, GPRS**

Authorized users   **10**

Microphone **yes**

Backup battery **Yes, built-in**

Detection angle and range **90° up to 10 m**

Outputs **1 for siren connection or event indication**

Dimensions **104x60x33mm**

ELDES
NEW
LOOKS

COMPATIBLE
WITH ELDES
SMART
SECURITY

PET-IMMUNE

ANDROID
SOFTWARE

IPHONE
SOFTWARE

EPIR3

STANDALONE GSM ALARM SYSTEM

EPIR3 is a standalone, portable security system designed for both end users and professionals, suitable for protection of residential and business properties. The system is compact and user friendly, therefore can be easily installed in less than 5 minutes. Furthermore, the system supports Contact ID protocol, making the EPIR3 compatible with global security protocol standard, allowing output to any monitoring station. One of a kind security control panel with motion detector, wireless and GSM modules in one piece has made security simple!

FEATURES

- 1 built-in PIR sensor zone and one wired
- Pet immune
- Portable
- Compact
- Built-in GSM/GPRS communicator
- Expandable (Integrated Eldes Wireless interface)
- Easy configuration (USB, Internet or SMS)
- Back up battery
- Covert listening
- Powerloss identification and reporting

Integrated
GSM module

SIM card
holder

868 MHz wireless

Backup battery
inside

APPLICATIONS

- Apartments
- Summer houses
- Garages
- Small shops
- Campers
- Boats

3 STEPS EPIR3 SYSTEM OPERATION

Insert SIM card

Connect to mains power socket

The system is ready to work

TECHNICAL SPECIFICATIONS

On-board outputs **1 wired for siren connection or event indication via LED**

Expandable zones **up to 34**

Expandable programmable outputs **up to 32**

Wireless **868 MHz integrated**

Supply voltage **11-15V**

Wired zones **1 (for wired sensor connection)**

Wired output **1 (for wired siren connection)**

Expandable wireless devices: (zones, PGM, key fobs, etc.) **16**

Event Buffer **100**

Microphone **yes**

Built in GSM/GPRS module **850/900/1800/1900 MHz**

GSM antena type **internal**

Ways of event communication **Ademco Contact ID, SMS, Voice Calls, GPRS**

Authorized users **10**

Backup battery **Yes, built-in**

Detection angle and range **90° up to 10 m**

Backup battery **Ni-Mh, up to 24 hours**

Dimensions **120x65x60mm**

Power supply unit included

EPIR

PROTECTION OF PREMISES

EPIR2/EPIR3

MONITORING STATION

MOBILE PHONE / SMARTPHONE

SHOP

EPIR2/EPIR3

MONITORING STATION

MOBILE PHONE / SMARTPHONE
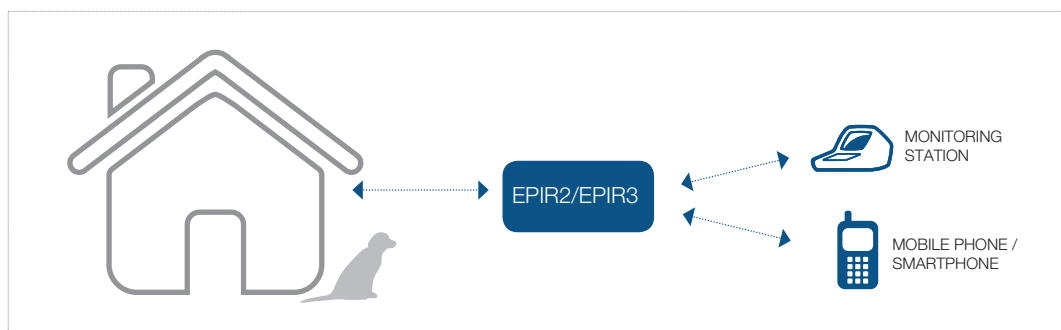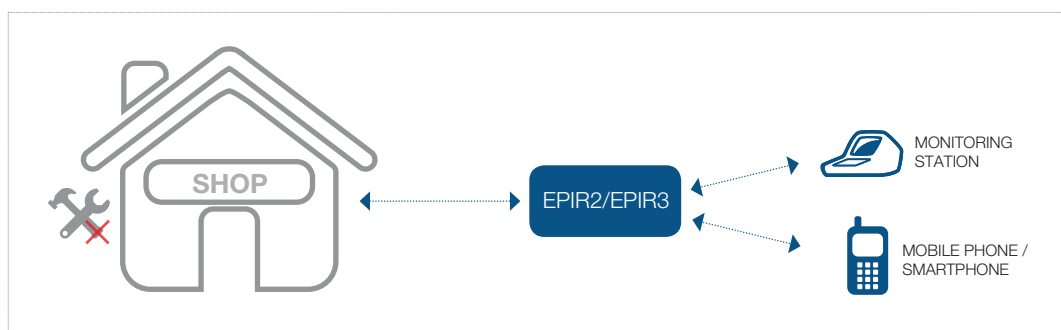
PROTECTION OF RETAIL SPACES

STORAGE

EPIR2/EPIR3

STORAGE

EPIR2/EPIR3

MOBILE PHONE / SMARTPHONE

MONITORING STATION
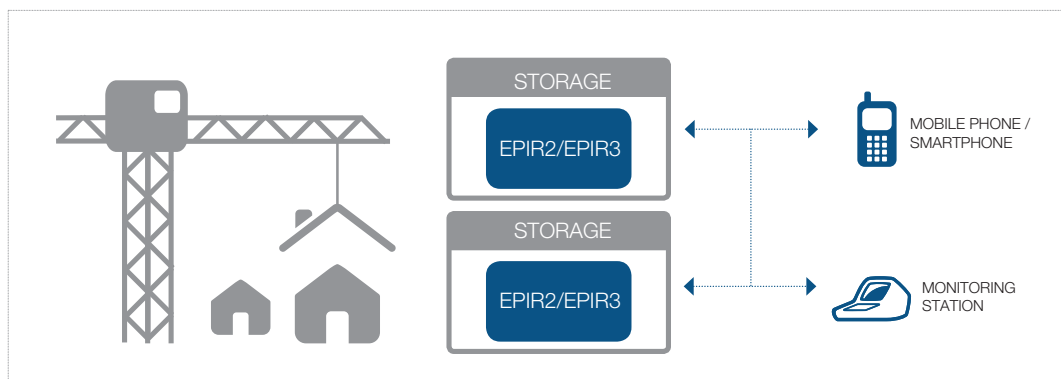
CONSTRUCTION COMPANIES

ET082

GSM/GPRS COMMUNICATOR

ET08 provides a „dial tone" and fully replaces a telephone landline (PSTN) for alarm control panel reporting to monitoring station when the telephone line is unavailable or has been cut or disconnected by PSTN provider. This device can detect temporary service suspension by the service provider for technical or billing reasons even if a "dial tone" is still present as "busy" tone (optional extra).

FEATURES

- Transmits data from alarm control panel to monitoring station via:
- Voice Calls (GSM audio channel);
- Voice Calls (GSM audio channel) and/or to users via SMS message;
  GPRS network;
  SIA IP;
  CSD (fax line).
- Two-way communication
- Data transmitting, using 4-wire keybus
- Remote configuration over GPRS/SMS
- Output control by call

TECHNICAL SPECIFICATIONS

Built in GSM module **850/900/1800/1900 MHz**
Authorized users **5**
Supported protocols **Ademco Contact ID, 4+2, SIA IP, Kronos**
Inputs/Outputs **3 inputs and 3 programmable outputs**
Input type **NO/NC**
Generated phone line voltage **48 V**
Dial tone frequency **425Hz**
Power supply voltage **10-24V DC 300mA max.**
Operating temperature range **-20...+55°C**
Dimensions **130x73mm**

WHY CHOOSE ET08?

- Simulates fixed telephone line and replaces it fully where landline (PSTN) is unavailable.
- Transmits data by PSTN/GSM/GPRS/CSD.
- Can reroute data to monitoring station via GSM/GPRS network when it detects a loss of voltage on the PSTN landline.
- Can transmit data converted to SMS message for up to 5 users.
- Can reroute call to monitoring station via GSM network when it detects a temporary suspension of service by the service provider (which may be for technical or billing reasons) even when a dial tone continues to be provided (additional hardware required).

Alarm transmitting over IP

Multichannel transmission of intrusion alarm panels via PSTN telephone landline, GSM,GPRS network and CSD

ENCLOSURE

NEW LOOKS

APPLICATIONS

- Property security;
- Compatible with any third-party alarm system
- Backup connection for PSTN;
- PSTN status monitoring in case it is cut-off or disconnected;
- Alarm system remote configuration via DTMF.

I/O ETHERNET CONTROLLER ELAN3-ALARM FOR ET082

Enables Internet access through LAN interface

MULTICHANNEL TRANSMISSION OF INTRUSION ALARM PANELS VIA PSTN TELEPHONE LANDLINE, GSM, GPRS NETWORK AND CSD

MONITORING STATION

MOBILE PHONE/ SMART PHONE

CALLS/GPRS

SMS

- Severed phone line detection
- Temporary suspended (technical or billing reasons) service detection
- PBX (branch exchange station) phone severed line

ANY THIRD PARTY ALARM SYSTEM

RING

TIP

TO EXTERNAL LANDLINE (PSTN)

ET082

POWER SUPPLY DC 10 - 24 V-300mA

PGM

PGM

ET082 fully replaces a telephone landline (PSTN)
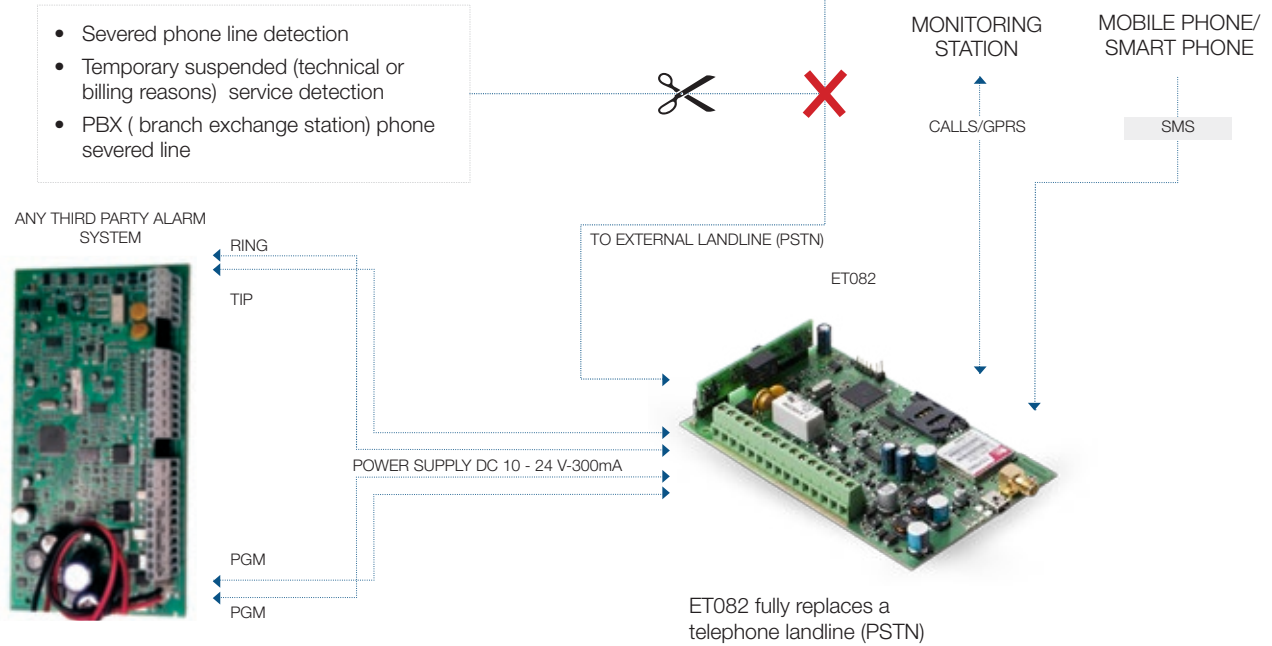
ET082 CAPABILITY

ET082 capable of detecting temporary service suspension by billing reasons, even if a dial tone is still present as "busy" tone. *

NOTE: This feature requires an additional audio module which must be requested in advance

3 INPUTS   3 OUTPUTS

C1 DC+ COM   C2 Z2 Z1   C3 Z3 COM

Inputs can be used for alarm system enclosure tamper wiring

Outputs can be used for Telephone line loss indication or GSM loss

Inputs can be used for third party alarm system PGM output failure

INTERNET ACCESS VIA ETHERNET INTERFACE

ET082

ETHERNET COMMUNICATOR ELAN3-ALARM

CALLS/GPRS/INTERNET

MONITORING STATION

ANY THIRD PARTY ALARM SYSTEM WITHOUT GSM MODULE
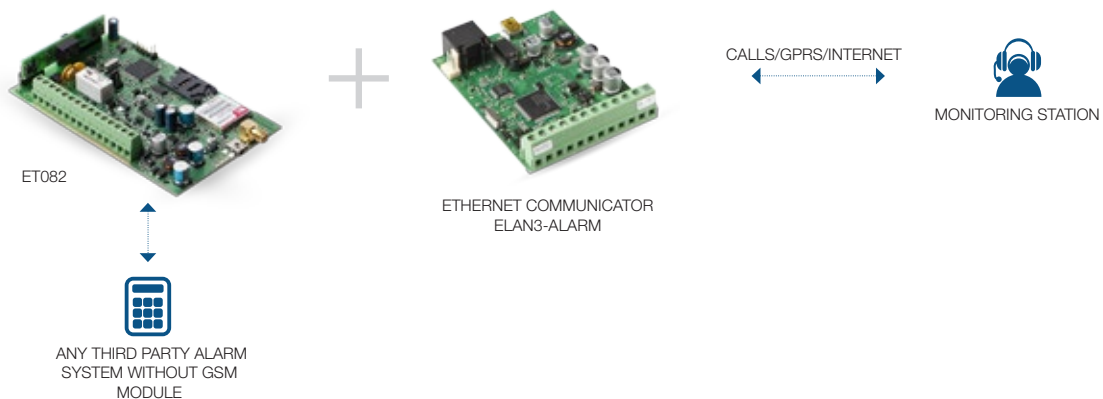
ELAN3-ALARM

ETHERNET COMMUNICATOR

ELAN3-ALARM is synced with alarm system ESIM364 and GSM/GPRS communicator ET082. ELAN3 operates in IP-based networks. The device is an Ethernet-based communicator that enables instant Internet access allowing to establish a communication between ESIM364 or ET082 and EGR100, Kronos IP, SIA IP protocol-based monitoring station software. The product can be used to connect ESIM364 to Eldes Smart Security platform.

ESIM364

ET082

+

ELAN3-ALARM

=

GPRS
CSD data
PSTN
SMS
GSM voice
LAN
(internet)

FEATURES

- Supported Ethernet connectivity: 10/100 Mbit
- Enables Internet access on ESIM364, ET082 via Ethernet interface
- Automated configuration

TECHNICAL SPECIFICATIONS

Power supply **10-24V 50Hz ~ 210mA max.**
Operating temperature range **-20…+55 °C**
Dimensions **63x82x17 mm**

IP RECEIVER SOFTWARE EGR100

EGR100 receives information from ELDES control panels via GPRS and converts it to the popular MLR2-DG format used by third party monitoring stations. All you have to do is simply install the program on a PC that has access to the Internet. EGR100 creates a virtual COM port, collects data from the alarm control panels and forwards it to monitoring station software.

FEATURES

- Freeware!
- Easy upgrade of an existing landline based Alarm Receiving Center to GPRS based communication.
- Compatible with monitoring station MLR2-DG protocol receivers.
- Supported operating systems Windows XP/VISTA/Win7
- Up to 10 000 objects
- Encrypted transmission
- Configurable PING signal timeout
- Event LOG buffer

ELDES MONITORING STATION EQUIPMENT ESR100

- Compatible with MLR2-DG (SURGARD protocol) third party monitoring software
- Configuration via Internet browser
- Communication methods: Internet, SMS (Cortex)
- Integrated GSM antenna
- RS-232 port, Ethernet port, 4 USB ports
- 3G Modem

ALARM TRANSMISSION METHODS

ESIM264

ESIM364

ESIM251/252

EPIR2

EPIR3

ET082

ELAN3-ALARM

Security services

CONTACT ID

Voice channel

Hardwired PSTN connection

GSM

ESIM264, ESIM364
EPIR3, EPIR2,
ESIM251/252,
ET082

Monitoring station

CONTACT ID VIA GPRS

GPRS

COM PORT

EGR100
Free Software

GSM

ESIM264, ESIM364
EPIR3, EPIR2,
ESIM251/252,
ET082

Monitoring station with Internet access

KRONOS VIA GPRS

Kronos protocol

Kronos

GPRS

GSM

ESIM264,
ESIM364
EPIR3, EPIR2,
ESIM251/252,
ET082

Monitoring station

CONTACT ID VIA PSTN

ESIM364

PSTN landline
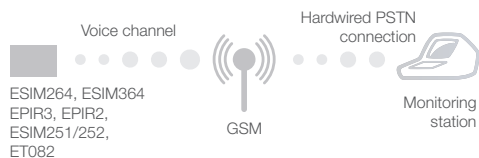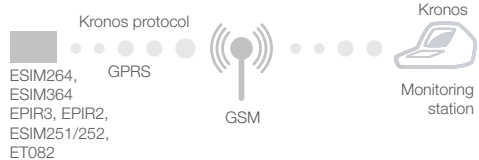
Monitoring station

Private use

SMS

VOICE CALLS

Temperature measurement via SMS
Only for ESIM264/364

Smarthphone alarm notifications
except ET082

CONTACT ID VIA ETHERNET

ESIM364

Ethernet

ELAN3-ALARM

Monitoring station

ESIM110/120

GSM SWITCH, GATE CONTROLLER

ESIM110/120 automatic gate controller (remote relay over GSM) is used to open gates, lift road barriers or turn on electronic devices remotely over the GSM network. When a call is made to the number of the SIM card inserted in ESIM110/120 the system checks if the number of the caller is recorded in the memory. If the number is present in the database the system rejects the call and turns on the relay for the preset period. If the number is not recognised, ESIM110/120 will not respond. The gate contoller can also operate automatically according to a scheduled time or by sending a text message from administrator's phone number.

COMPATIBLE WITH ELDES SMART SECURITY

ELDES NEW LOOKS

ANDROID SOFTWARE

IPHONE SOFTWARE

Enclosure available in Q3

FEATURES

- Built-in Quad-Band GSM/GPRS communicator
- The system can be controlled by up to 2000 users and 5 administrators
- Notification via SMS text about a fault in gate or other automatic device
- Din-Rail plastic enclosure (optional)
- Optional IP66 enclosure
- 3 ways of configuration: SMS, USB or Internet
- Event Log access by Internet

APPLICATIONS

- Barrier control
- Gate control
- Computer system restart

TECHNICAL SPECIFICATIONS

Inputs **3**
Relay output **1 (ESIM110) / 2 (ESIM120)**
Event Log **1000**
Built in gsm/gprs module **850/900/1800/1900 MHz**
Administrators **5**
Authorized users **2000 (ESIM110), 500 (ESIM120)**
Wireless **optional extra**
Operating temperature range **-20...+55°C**
Dimensions **70x85x57mm**

OPTIONAL ENCLOSURE

IP66

PK051

MOBILE PHONE / SMARTPHONE

ESIM110/120

RELAY
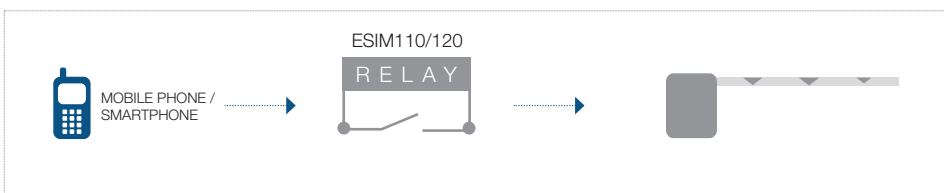
USERS INCLUDED IN THE DATABASE CAN OPEN/CLOSE THE GATES VIA FREE OF CHARGE CALL. UNRECOGNISED NUMBERS ARE SIMPLY REJECTED.

PROGRAMMABLE SCHEDULER VIA ELDES CONFIGURATION TOOL

Barriers, entrance doors can be opened for selected users during certain hours, days or weeks.
Settings for 8 different schedulers. Possibility to set up date of expiration.

Enter user's phone number

Scheduler allows configuring automatic output control and/or output control accessibility

Set the expiry date of user's automated entrance service usage

Add, remove, search for particular user

ROAD BARRIER AUTOMATION DEVICE

SENSOR FOR GATE FAILURE

FO - CONTACT FOR GATE FAILURE REGISTRATION

ESIM110/120 sends SMS to administrator if the doors did not close in defined period of time.

ESIM120 SMARTGATE

Eldes Smart Gate delivers a total control and monitoring of ESIM120 via your smartphone. It works on iOS and Android. Mobile application allows tw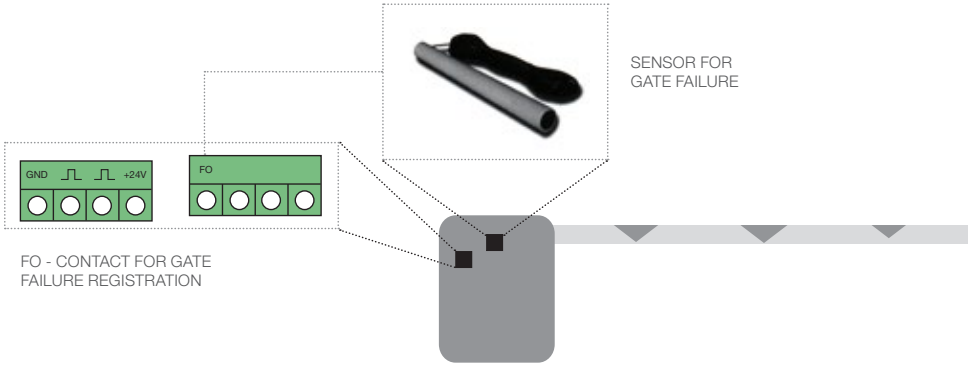o-level user and administrator access. User is able to control gates and/or door remotely through smartphone widget. Administrator can set and access rights to any user, configure system and customize schedules.

TECHNICAL SPECIFICATIONS

Administrators **5**

Users **500**

Smart Gate compatibility on mobile **iOS, Android**

ELDES SMART SECURITY CLOUD SERVER

Enclosure available in Q3

Administration interface	Database User
Android aplication/widget or iOS application — Web interface	Android widget/iOS application
Administrator/Power-admin	

ELDES SMART SECURITY
CLOUD SERVER

ESIM120
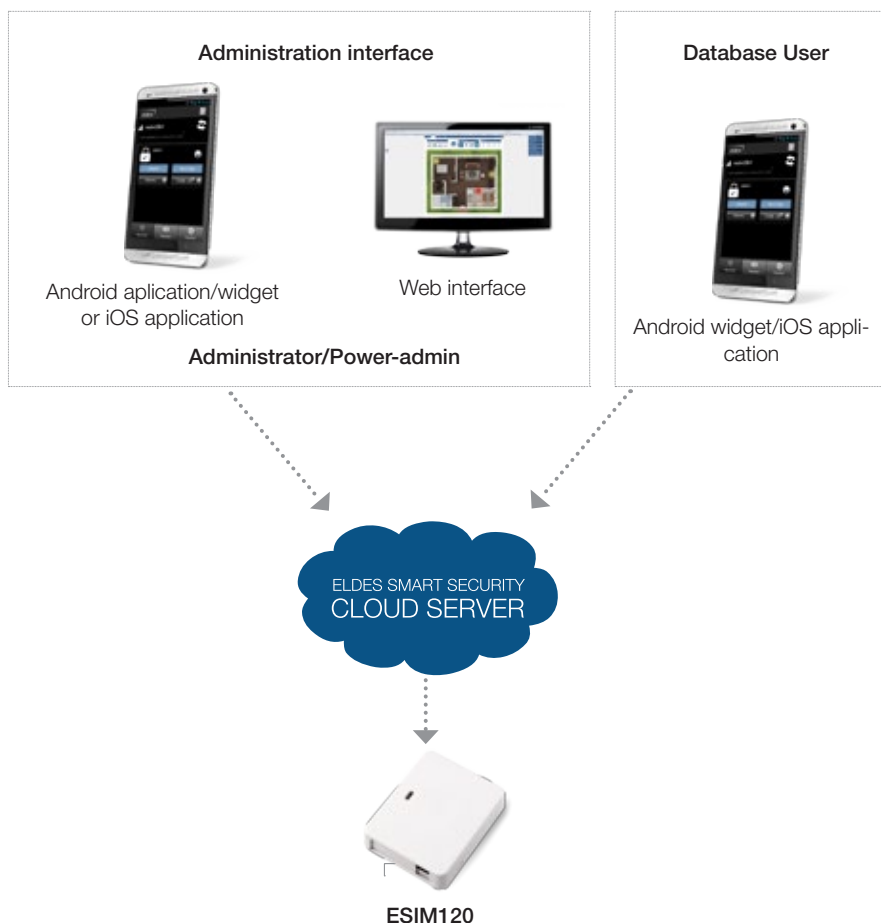
ESIM110/120

GSM SWITCH, GATE CONTROLLER

AREAS OF USE

DATA PROCESSING SYSTEMS

ESIM110/120

MOBILE PHONE / SMARTPHONE
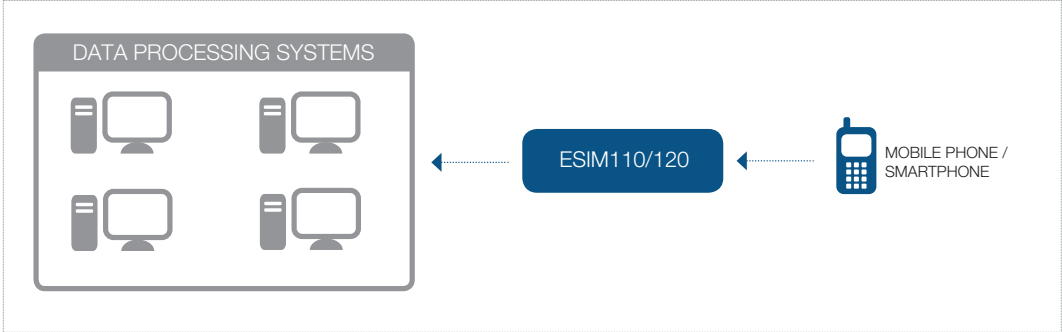
RESTART OF DATA PROCESSING SYSTEMS

GYM

MONITORING STATION

GPRS

ATM

ESIM110/120

MOBILE PHONE / SMARTPHONE

PARKING LOT MANAGEMENT

ESIM110/120

MOBILE PHONE
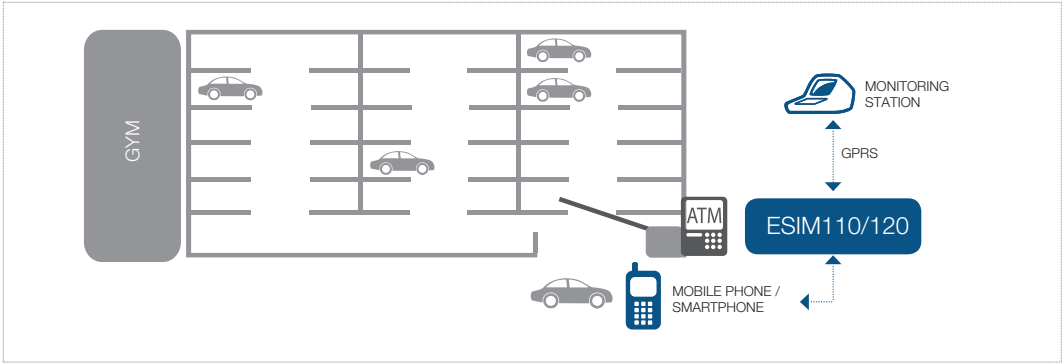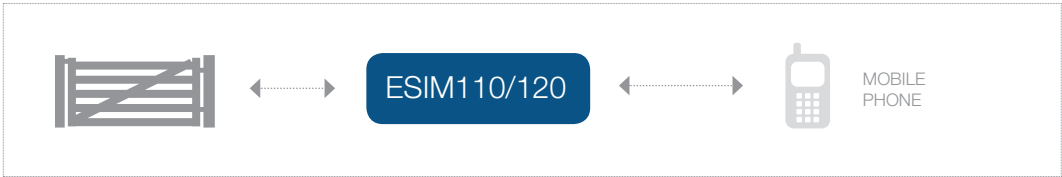
GARAGE GATES MANAGEMENT

ESIM110/120

RFID

MOBILE PHONE / SMARTPHONE

ESIM110/120

OPENING THE DOOR IF THE RFID IS MISSING

ESIM251/252

GSM AUTO DIALLER AND REMOTE RELAY

The main function of the ESIM251/252 is to operate as a supplement to any control panel. If PGM or Bell output is activated, a warning call is dialled and a text message is sent to the preset phone numbers or to monitoring station using Contact ID. The user can remotely control any electric equipment switching by a short, free of charge call. ESIM251/252 can also control electric equipment automatically according to a scheduled time or by sending a text message from a user's phone number.

FEATURES

- Built-in GSM/GPRS communicator
- Each input can be assigned to a separate user
- SMS and/or CALLS to 5 authorized users
- Matrix routine feature allows to inform every user about event in different way: SMS/CALL/VOICE MESSAGE
- Optional Din-Rail plastic enclosure
- 3 ways of configuration: SMS, USB or Internet
- Event Log access by Internet
- Wireless 868MHz extension (optional)
- Voice messages

APPLICATIONS

Informing a mobile phone about a triggered alarm

Pulse counter

Notification of failure or restoration of an electronic device via SMS/CALL

Any electrical appliance switching

TECHNICAL SPECIFICATIONS

Inputs **5**
Relay output **1 (ESIM251) / 2 (ESIM252)**
Event log **1000**
Built in gsm/gprs module **850/900/1800/1900 MHz**
Authorized users **5**
Microphone connector **yes**
Pre-recorded messages **10**
Power supply voltage **10-24V AC/DC**
Operating temperature range **-20...+55°C**
Dimensions **82x63x20mm**
Impulse counting max. value **4294967295 impulses**

10 VOICE MESSAGES OF A LENGTH UP TO 15 SEC. EACH

1. Record your voice message.
2. Upload it to ESIM251/252.
3. After receiving the signal, the system will make a call. You will hear your recorded message and/or you will receive an SMS message.

Voice messages of up to 15 seconds length can be recorded for alarm and restore event of every input.

ENCLOSURE

PK052 AVAILABLE IN Q3

OPTIONAL ENCLOSURE

IP66

PK051

METAL ENCLOSURE ME1

ESIM251/252

GSM AUTO DIALLER AND REMOTE RELAY

MAIN FEATURES:

User-friendly configuration via USB, SMS, PC

USB   SMS   PC

FLEXIBLE SETTINGS VIA ELDES CONFIGURATION TOOL PROGRAM
POSSIBILITY TO INFORM EVERY USER ABOUT EVENT IN DIFFERENT WAY

Write your own text of notifications

Matrix routine feature allows to inform every user about event via message/call/voice message
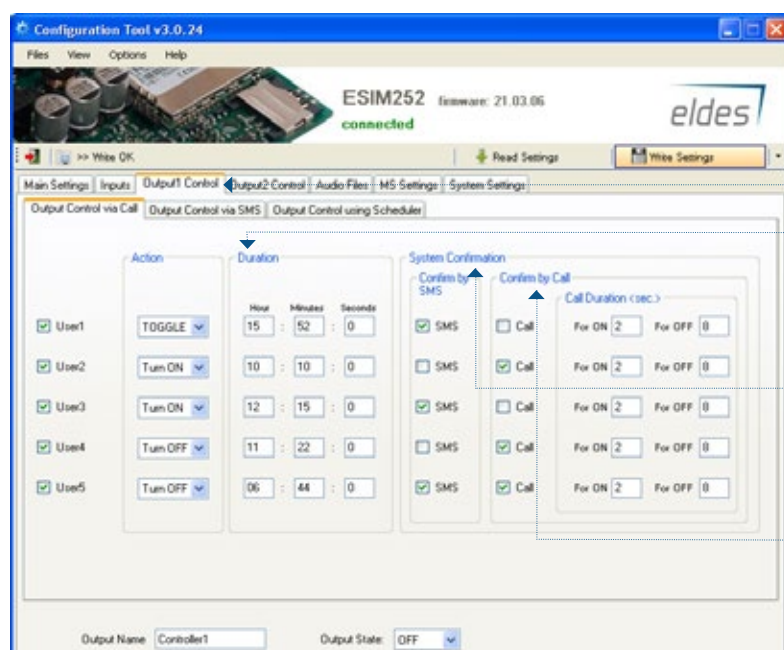
Outputs control in different way: via SMS, call or using scheduler

After a set period the output returns to the previous state

Confirmation call or message about a successful output status change

Call duration of the device to inform whether output is turned on/off.

AREAS OF USE

ESIM251 — SMS, CALLS → MOBILE PHONE / SMARTPHONE

PGM

Local alarm panel

SIREN CONTACT

ALARM AND SECURITY

EBU1 → ESIM251 ← SMS → MOBILE PHONE / SMARTPHONE
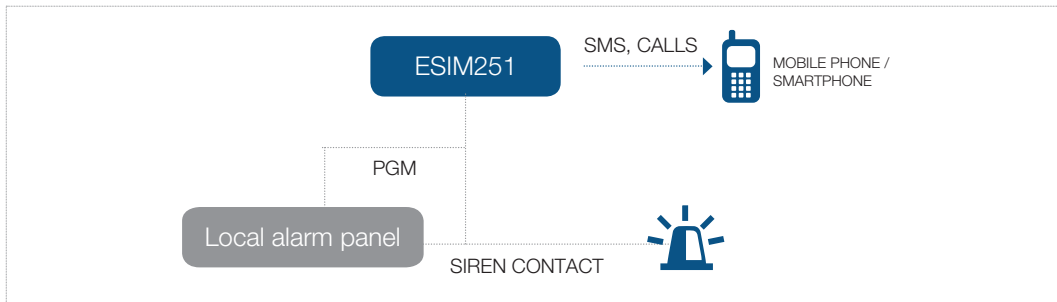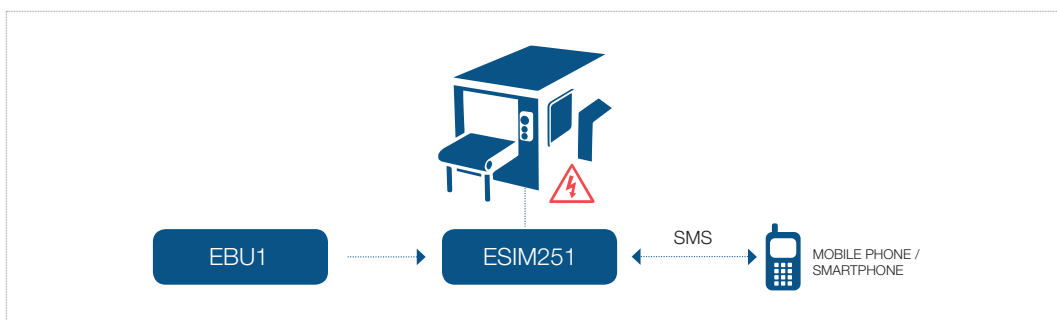
DETECTION OF POWER SUPPLY FAILURE

SHOPPING CENTER

COOLER

COOLER

VENTILATION SYSTEM

ESIM251 ↔ MOBILE PHONE / SMARTPHONE

SHOPPING CENTERS

ITEM STORAGE

ESIM251 → MOBILE PHONE / SMARTPHONE

ESIM251 → MOBILE PHONE / SMARTPHONE

ESIM251 → MOBILE PHONE / SMARTPHONE

STORAGE MANAGEMENT

ELDES
NEW
LOOKS

Tamper switch

€

COST-EFFECTIVE
SOLUTION
COSTS LESS THAN
ONE-SITE VISIT

9V 250mAh

Optional
backup battery.

EASY TO SETUP

1. Insert a SIM card to the device
2. Wire up the system
3. Make a call to preset your number. System is ready.

ESIM022

GSM AUTO DIALLER

Simple and cost effective GSM auto dialler, microcontroller. 2 inputs and 1 output. Informs about a triggered alarm or electric device failure. Allows remote electric device control via a text message.

FEATURES

- Built-in Quad-Band GSM/GPRS communicator
- SMS or CALLS TO 2 authorised users
- Wall mount plastic enclosure
- User-friendly configuration via SMS, USB

APPLICATIONS

⚠ Notification of system events, such as arming/disarming, alarm/restore from NON-GSM alarm system

⚠ Notification of failure or restoration of an electronic device via SMS/ CALL

⏻ Any electric appliance switching

🎤 Covert listening

TECHNICAL SPECIFICATIONS

Inputs **2**

Output **1 open collector 200mA 30V**

Built-in GSM/GPRS module: **900/1800 MHz**

Authorized users **2**

Microphone connector **yes**

Battery time **up to 12 hours**

Dimensions **96x59x34mm**

Temperature sensor **Built-in**

External temperature sensor connection **1**

NON-GSM ALARM SYSTEM ARMING/DISARMING BY SMS TEXT MESSAGE

ESIM022 — SMS/CALLS — MOBILE PHONE / SMARTPHONE

PROTECTION AND MONITORING OF ELECTRICITY DISTRIBUTION EQUIPMENT

ESIM022 — SMS/CALLS — MOBILE PHONE / SMARTPHONE

VIDEO SURVEILLANCE SYSTEM MONITORING

DVR

ESIM022 — SMS/CALLS — MOBILE PHONE / SMARTPHONE
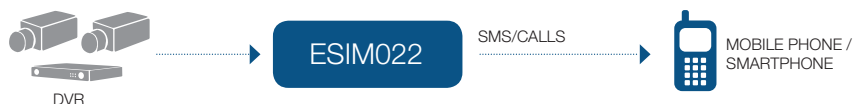
SUPPORTS ANY ANALOG 4-20mA SENSOR AND PROVIDES 12V POWER SUPPLY

PRESSURE SENSOR

WEATHER SENSOR

NOISE SENSOR

PROXIMITY SENSOR

ENCLOSURE RATING IP65

ELDES NEW LOOKS

ESIM4

BATTERY POWERED WATERPROOF GSM DIALLER

The GSM dialler is mounted in a waterproof casing, which has a IP65 rating. The device is fully autonomous, powered by 4 AA Li-Ion batteries and doesn't require any additional power sources. The device operates in sleep mode while the GSM module is switched off, and „wakes up" only at specified time or when the INPUT is triggered or vibration is detected. After the activation of one of the INPUTS, the device sends out an SMS or calls the preset users.

BUILT-IN SHOCK SENSOR

4 AA 1,5V battery powered

FEATURES

- SMS or CALLS to 10 authorised users
- Configuration via USB, SMS, QR code
- Battery up to 2 years
- Vibration sensor onboard
- One wired interface for temperature sensor connection
- 12V auxiliary output for analog sensor power

APPLICATIONS

Suitable in areas without a 230V power supply

Notification of failure or restoration of an electronic device via SMS/CALL

Switching one electrical appliance ON/OFF

Covert listening

High/low temperature alarms

TECHNICAL SPECIFICATIONS

Inputs **2**
Inputs mode **digital/analog**
Output **1 open collector 200mA 12V max switching**
Number of auxiliary terminals **1**
Maximum supported number of temperature sensors **8**
GSM modem frequency **900/1800 Mhz**
Authorized users **10**
Microphone connector **Yes**
Antenna connector **SMA type**
Operating temperature range **-20…+50 °C**
Dimensions **115x90x56mm**

ADDITIONAL FEATURE. AVAILABLE IN Q2

IBUTTON KEY READER, BUZZER FOR ALARM DISARMING ON ESIM4

TOUCH MEMORY IBUTTON

AREAS OF USE

UP TO 8 TEMPERATURE SENSORS SUPPORT FOR TEMPERATURE MONITORING IN DIFFERENT AREAS

VIBRATION DETECTION VIA ONBOARD SHOCK SENSOR

BATTERY POWERED PIR SENSOR

OR

DOOR SENSOR

Portable protection kit in areas with no power supply

REMOTE CONFIGURATION

QR code generator in Eldes Configuration Tool program allows to encrypt and decrypt QR code to SMS message and send this coded command to ESIM4. It helps to save operational costs and time.

ELDES
NEW
LOOKS

ELAN3-SNMP

I/O ETHERNET CONTROLLER

ELAN3-SNMP allows the inputs and outputs of any network device to be managed via SNMP Protocol. Built-in Web assures easy configuration. Ethernet controller can be applied to process automation control, to monitor electricity power transmission systems or used for building automation monitoring, elevator monitoring. Possibility to choose input type: digital or analog. Available in Q3.

FEATURES

- Super price/performance
- SNMP - Simple Network Management Protocol
- 4 analog/digital input
- 1 output
- Easy web configuration – built-in WEB server
- Ethernet connection

TECHNICAL SPECIFICATIONS

10/100BaseT Ethernet port **yes**
Number of inputs/outputs **4 inputs & 1 output or 3 inputs & 2 outputs (configurable)**
Status LEDs **2**
Power supply voltage **10-24 V AC/DC**
Temperature sensors **up to 8**

APPLICATIONS

- Process automation control
- Building automation monitoring
- Elevator monitoring
- Monitoring electricity power transmission systems

ELAN3-SNMP

INTERNET

SNMP MANAGER SOFTWARE

FOR INTERNET SERVICE PROVIDER

PRESSURE SENSOR
WEATHER SENSOR
NOISE SENSOR
PROXIMITY SENSOR
ANY WIRED PIR, SHOCK, DOOR, PERIMETRE OR OTHER SENSOR
TEMPERATURE SENSORS

ANY WIRED 0-10V ANALOG SENSOR

AREAS OF USE

SERVER ROOMS

ELAN3-SNMP

INTERNET

SNMP MANAGER SOFTWARE

DATA ABOUT TEMPERATURE, VOLTAGE ETC.

FOR INTERNET SERVICE PROVIDER
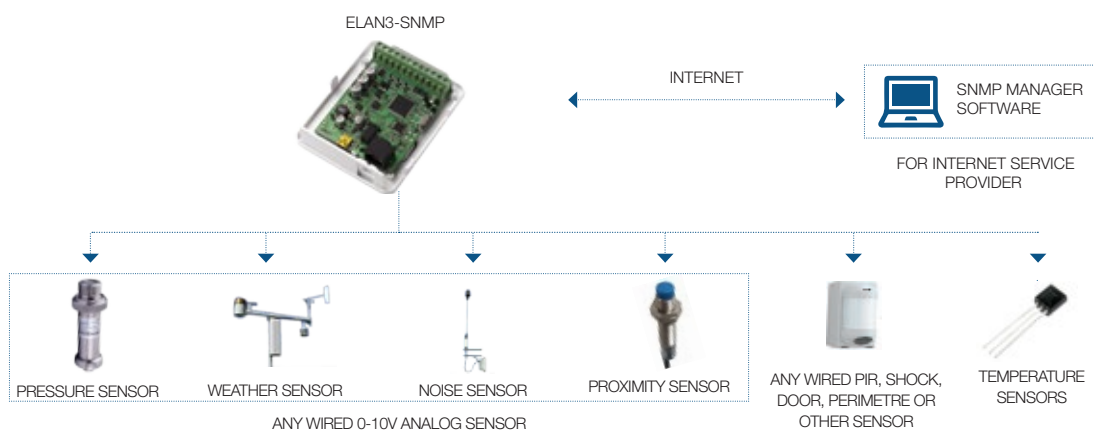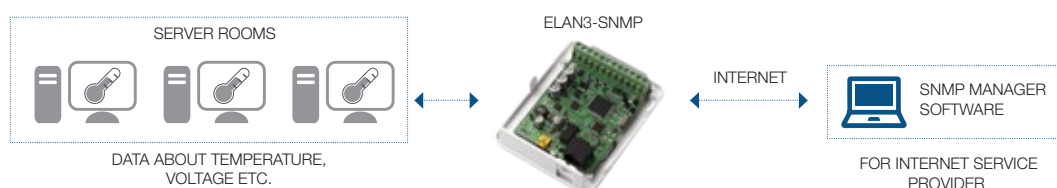
USER INTERFACE

KEYPAD EKB3

- ARMED, READY, SYSTEM, BYPASS LEDs
- Backlit buttons
- GSM panel configuration via keyboard
- 12 LED indicate triggered zones
- Tamper, 1 additional keyboard zone
- Compatible with ESIM264/364 panel
- Wired

KEYPAD EKB2

- Modern design with Glass Top
- Touch sensitive buttons
- LCD graphic display
- Tamper, 1 additional keyboard zone
- Easy-to-install
- Compatible with ESIM264/364 panel
- Wired

PLASTIC ENCLOSURE ED1 FOR IBUTTON READER AND TEMPERATURE SENSOR

- Enclosure for easy installation of iButton reader
- Built-in buzzer
- Temperature Sensor DS18S20 (-55°C to +125°C)
- Compatible with ESIM264/364 panel

AUDIO MODULES

AUDIO OUTPUT MODULE EA1

- 3.5 mm headphone jack
- Possibility to connect headphones or computer speakers.

AUDIO AMPLIFIER MODULE EA2

- 1 W 8 Om
- For Intercoms, Lifts

ZONE AND PGM EXPANSION MODULES
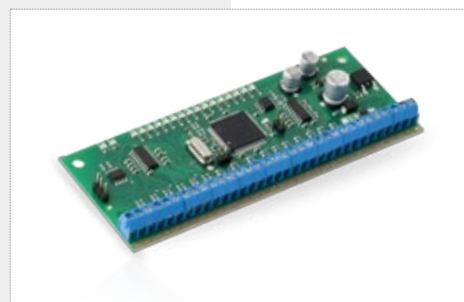
HARDWIRED ZONE & PROGRAMMABLE OUTPUT EXPANSION EPGM1

- 16 hardwired zones
- 2 programmable outputs 500 mA
- Compatible with ESIM264/364 panel
- Wired

HARDWIRED PROGRAMMABLE OUTPUT EXPANSION EPGM8

- 8 programmable outputs 500 mA
- Compatible with ESIM264/364 panel

868 MHZ WIRELESS MODULES

WIRELESS INDOOR SIREN EWS3

ELDES
NEW
LOOKS

- 4xAA 1.5V alkaline batteries
- Sound level 90dB
- Audio and visual signals
- Compatible with ELDES WIRELESS

WIRELESS OUTDOOR SIREN EWS2

- Compatible with ELDES WIRELESS
- Sound level 104dB
- 3xAA 1.5V alkaline batteries.
- Operating temperature range -30... +55 °C

WIRELESS SOCKET EWM1

ELDES
NEW
LOOKS

- Compatible with ELDES WIRELESS
- Switches 230V AC 50Hz 2kW
- Different types of Schuko plugs
- Available in Q2

WIRELESS KEYPAD EKB3W

- Compatible with alarm and control panel ESIM364, EPIR, EPIR2, EPIR3
- 12 LED zone status indicators
- Tamper, 1 additional keyboard zone
- GSM panel configuration via keyboard
- Two level passwords (User and Administrator)
- 3xAAA 1.5V alkaline batteries

868 MHZ WIRELESS MODULES

WIRELESS MAGNETIC DOOR/WINDOW SENSOR EWD1

- Monitor doors, windows
- Compatible with ELDES WIRELESS
- Emergency/Panic button

ELDES
NEW
LOOKS

WIRELESS MAGNETIC DOOR CONTACT, SHOCK SENSOR, FLOOD DETECTOR EWD2

- Monitor doors, windows
- 3-in-1 device
- Slim design that suits shallow door or window frame
- Compatible with ELDES WIRELESS
- External input
- Built-in shock sensor

WIRELESS KEYFOB EWK1

- Four buttons for arming/disarming, turning ON/OFF programmable outputs or as emergency button
- Compatible with ELDES WIRELESS
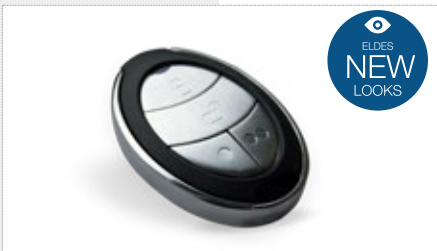
ELDES
NEW
LOOKS

WIRELESS KEYFOB EWK2

- Four configurable buttons
- Sleek design
- Compatible with ELDES WIRELESS

WIRELESS SIGNAL REPEATER EWR2

- Compatible with ESIM364, EPIR2. Up to 4 EWR2 per system
- Extends wireless signal
- LED indicator for data transmission indication
- Internal/external antenna
- 4 channels
- Supports up to 32 wireless devices

AVAILABLE IN Q3

WIRELESS TRANSMITTER EWT1

- Supports up to 16 wireless devices: PIR, Zones, PGM, Key fobs, etc.
- Compatible with ESIM264 panel

WIRELESS EXPANSION MODULE EW1

Esim264, Esim364, EPIR2 control panel

Any wired Bell or electronic appliance

IP65

Any wired PIR, Shock, door, perimetre or other sensor
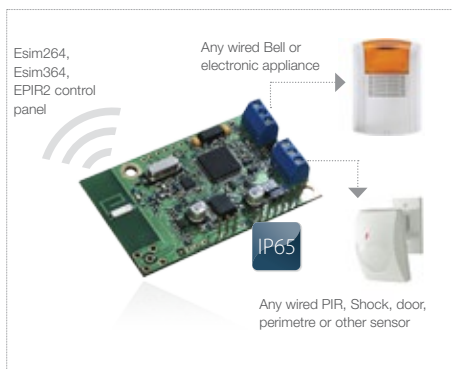
- 2 zones
- 2 programmable outputs 500 mA
- Expansion for any nonwireless device such as Bell,
- Easy to connect outside perimeter detector
- Compatible with ELDES WIRELESS
- Additional accessory IP65 plastic enclosure
- Battery-powered version available. Order code EW1B

WIRELESS EXPANSION MODULE EW2B

EPIR3 ESIM364

2 inputs for 10k NTC and PT1000 temperature sensors

Any wired PIR, Shock, door, perimetre or other sensor

ANY WIRED ANALOG SENSOR

PRESSURE SENSOR

WEATHER SENSOR

PROXIMITY SENSOR

- 2 Open collector outputs
- 4 current analog inputs 4-20mA / Voltage analog input 0-10V
- Battery powered or external power supply
- Expansion for any nonwireless device
- Compatible with ESIM364, EPIR3

868 MHZ WIRELESS MODULES

WIRELESS PIR SENSOR EWP1

- Digital motion detector
- Viewing angle 90° up to 10 m
- Compatible with ELDES WIRELESS

WIRELESS PIR SENSOR EWP2

ELDES NEW LOOKS

- Digital motion detector
- Viewing angle 90° up to 10 m
- Modern sleek design
- Pet immune
- Compatible with ELDES WIRELESS

WIRELESS SMOKE DETECTOR EWF1

- Built-in siren
- Sound level 98dB
- Plastic enclosure
- Insect proof
- Compatible with ELDES WIRELESS

ELDES CONTROL PANELS ESIM364, EPIR3 AND WIRELESS ACCESSORIES

STANDALONE GSM ALARM SYSTEM

GSM 76 ZONES WIRELESS CONTROL PANEL

WIRELESS SMOKE DETECTOR EWF1

WIRELESS INDOOR SIREN EWS3

WIRELESS PIR SENSOR EWP2

WIRELESS OUTDOOR SIREN EWS2

WIRELESS KEYPAD EKB3W

WIRELESS KEYFOB EWK2

WIRELESS MAGNETIC DOOR CONTACT/SHOCK SENSOR, FLOOD DETECTOR EWD2

ELDES SMART SECURITY APPLICATION FOR ANDROID AND IOS VIA CLOUD SERVER

EBU1

BACKUP POWER SUPPLY WITH BATTERY

Backup Power Supply EBU1 for any electronic equipment, where uninterrupted power supply is required. Has an output for failure indication. Charges Ni-Mh 9V 250mAh battery which is already installed in the unit.

APPLICATIONS

- Any alarm detectors
- ESIM251/252, ESIM110/120, ET082, ELAN3-ALARM, ELAN3 SNMP
- Any electronic equipment

FEATURES

- Provides power for low power electronic equipment in case of main power supply failure
- Open collector output for indication of mains failure
- Ni-Mh rechargeable battery included
- Plastic enclosure for easy fixing to the wall or other surface
- 5 x 15cm long wires included for easy installation

TECHNICAL SPECIFICATIONS

Power supply **11,5-30 VDC**

Output power supply while operating on battery **6,5-10,5 VDC max 0,5A**

Battery type **Ni-MH 9V 250mAh**

Output for external power supply indication **Open collector**

Dimensions **80x36x21 mm**

ELDES CONFIGURATION TOOL

Eldes Configuration Tool is a software designed for operation with Eldes systems. This tool helps quickly and easily to set parameters of the device, enter user data or simply change passwords which, otherwise, would have to be specified sending separately via SMS messages from mobile phone.

FEATURES

- Free download
- Supported operating systems XP/Vista/7
- Language: English (Help: English, Russian, Czech, Portugues)
- Automatic updates
- One software for all ELDES devices

LOCAL CONFIGURATION OF THE DEVICE

USB — ELDES DEVICE

Eldes Configuration Tool is compatible with all Eldes devices that include built-in USB port.

REMOTE CONFIGURATION OF THE DEVICE

WEB SERVER — ELDES DEVICE, CONNECTED TO GPRS
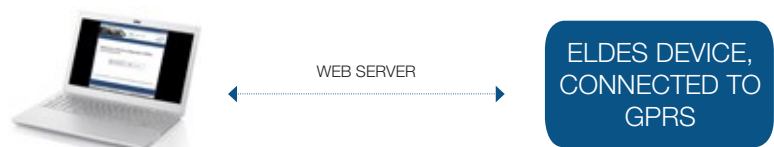
Eldes Configuration Tool allows to make remote configurations. It helps to save operational costs and time.
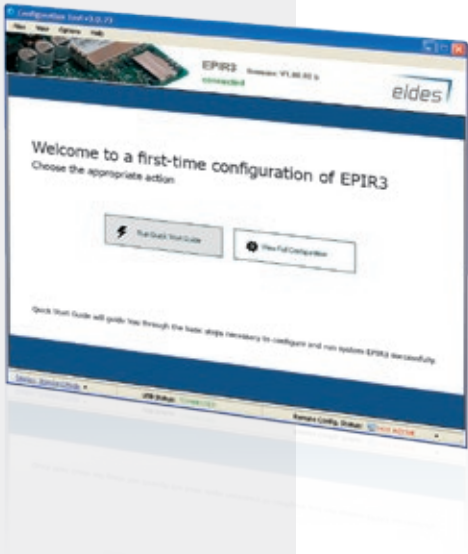
SMART SECURITY

CLOUD SERVER

Eldes Smart Security is a security system controlled remotely from web or mobile applications. From now on you can monitor and control your security system from any place, at any time. A multi-purpose functionality of Smart Security platform can be adapted in various industries as B2B project. It allows companies to provide the specific GSM service and/or product to B2C and end user sectors.

MOVEMENT

SMOKE

SHOCK

DOOR OPENING DETECTION

GATES CONTROL

LIGHTING

COOLING

LAWN WATERING

MySQL Database

ELDES SMART SECURITY
CLOUD SERVER

ELDES device

Application programming interface

- Mobile and Internet applications
- Flexible API
- Automatic updates
- Log information

The user can control their security and automation from a smartphone, tablet or PC.

| YOUR BUSINESS | + | YOUR APPLICATIONS | + | SMART SECURITY SERVER | + | ELDES DATABASE |

= GUARANTEED RETURN ON INVESTMENT

SIMPLICITY
AND
ADAPTABILITY

OEM PROJECTS

SMOKE DETECTOR WITH AN INTEGRATED GSM MODULE FIRETEXT

Firetext is a battery powered SMS Smoke Alarm. Upon activation the alarm generates a user-defined text message which can be sent to a maximum of 4 mobile recipients. Each Text Messaging Smoke Alarm has a 9V Lithium battery that will provide a minimum of 36 continuous activations. Zero activations can result in a life span in excess of 5 years. Average usage should result in a battery life of 2-4 years. If tested weekly the battery will need to be replaced every 3-6 months.

GSM CARE MONITORING DEVICE SENCIT

SeNCit is a new and unique device for helping to keep a remote but discreet 'eye' on lone or vulnerable individuals. The main function is to let you know, via SMS text message, when someone has had a fall or become incapacitated. SeNCit can also help with wandering, room temperature and power cut issues within the home or can be used as a simple security system.

TEMPERATURE PROTECTION ALERT SYSTEM KOOLDOG

This device allows you to monitor the temperature of your vehicle while you are out and about, to protect your pet. If it gets too warm, KoolDog will text you and call you to let you know. You can call KoolDog back at anytime to listen to your dogs. It's a mobile phone for your pet!

ELDES PROJECTS

SOLUTION FOR RENTAL HOUSES

System can control the heating, lights, locks and other functions in rental houses from one computer. Application is based on a Windows server and uses MySQL database. It allows remote control functions via the web interface and feedback of data from the houses. System works with control panel ESIM264 and special firmware.

HEATING AND WATER SUPPLY

Each house is equipped with thermo sensors. There are 2 temperature modes. The „low" mode is used when the house is not occupied and the „high" mode - when it is rented. The web interface can be used to switch between low and high modes. For each house it is possible to individually preset the low temperature and the high temperature. If temperature drops below the lower limits for a prolonged time, the system will send an alarm.

12 hours before a house is rented the heating is automatically switched to "high". The time when a rental period starts and stops is fed from the SQL database and is handled automatically.

Water boiler heating is turned on at the same time as the temperature is set to "high" mode.

LIGHTS

Lights can be turned on or off manually from the web interface. Also lights could be turned on automatically at the same time as the water heater and turned off in the same manner. The on and off time will be read from the database.

LOCKS

The system allows to create unique pass codes for new rental periods, which are terminated after the rental period ends. The customer must enter the pass code in the keypad to enter to the house. Main unit turns on/off electromagnetic lock, controlling the entry to the house. If a user forgets his code, the rental company can generate a new one.
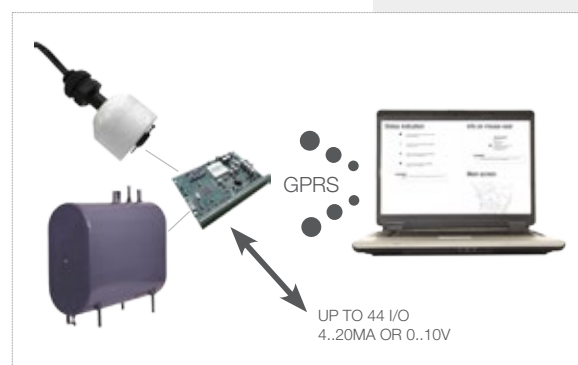
CONNECTION OF ANALOG INPUTS AND MONITORING VIA GPRS

Using the ESIM264 controller with special firmware and adopted hardware, it is possible to monitor via GPRS and special server software the level of liquids such as oil or water in tanks. You just need to install the tank level sensor and connect it to the control panel. This device can be adapted for other applications requiring analog inputs.
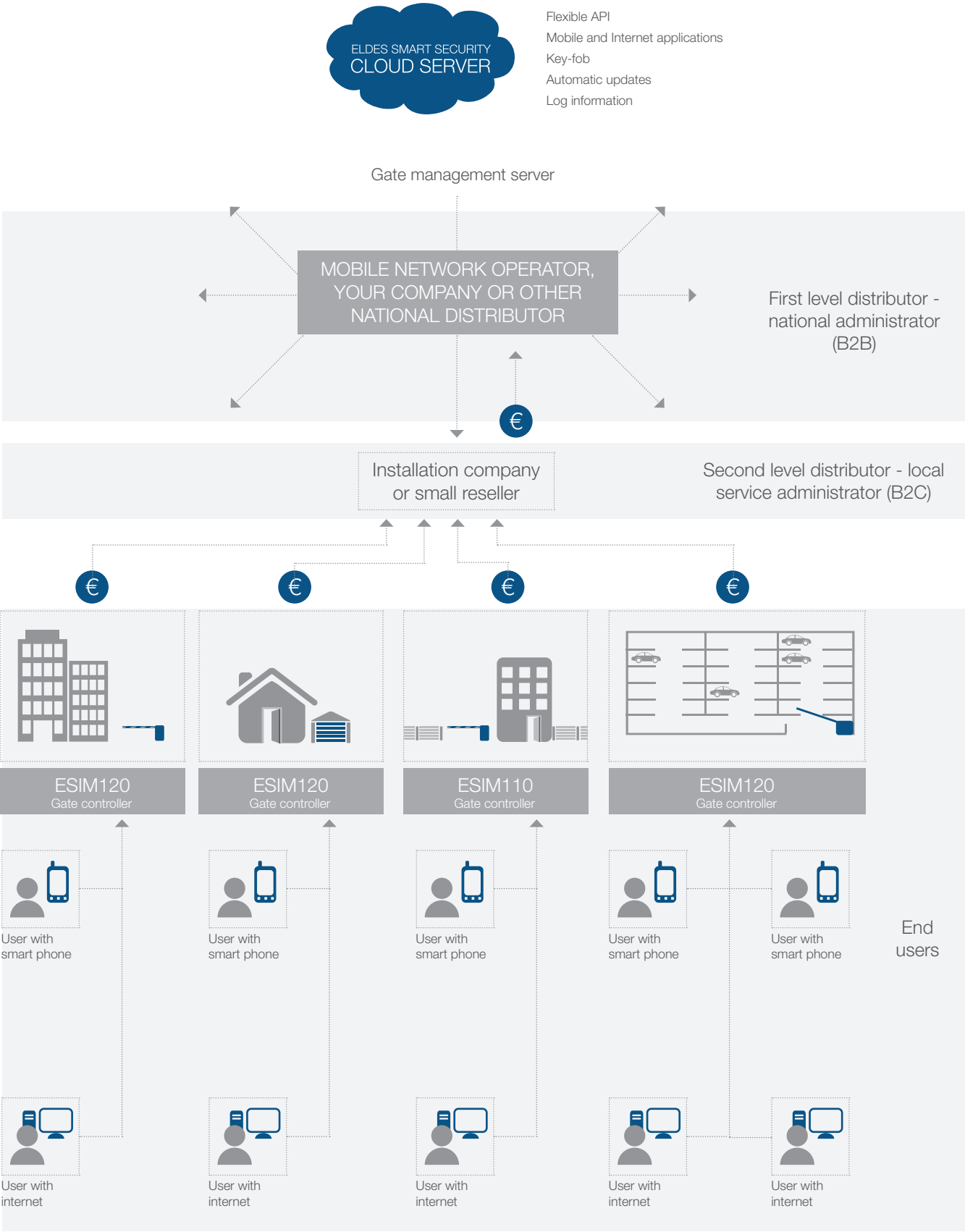
FEATURES

• Analog Inputs 4-20mA or 0...20V DC
• Up to 44 programmable outputs for turning on/off any electric appliance.

B2B PROJECT

GATE MANAGEMENT SERVER

ELDES SMART SECURITY
CLOUD SERVER

Flexible API
Mobile and Internet applications
Key-fob
Automatic updates
Log information

Gate management server

MOBILE NETWORK OPERATOR,
YOUR COMPANY OR OTHER
NATIONAL DISTRIBUTOR

First level distributor -
national administrator
(B2B)

€

Installation company
or small reseller

Second level distributor - local
service administrator (B2C)

€   €   €   €

| ESIM120 | ESIM120 | ESIM110 | ESIM120 |
| Gate controller | Gate controller | Gate controller | Gate controller |

User with
smart phone

User with
smart phone

User with
smart phone

User with
smart phone

User with
smart phone

End
users

User with
internet

User with
internet

User with
internet

User with
internet

User with
internet

YOUR IDEA $+$ ELDES R&D

= SUCCESS

DISCOVERY
telecom