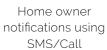# eldes®

ET083
universal 2G/3G communicator

ET082 is a universal GSM/GPRS, PSTN, LAN gateway/communicator, which expands any PSTN intrusion alarm panels functionality and adds communication channels. The panel can then communicate with alarm receiving centers and directly to home owner, as well.

ET083 APPLICATION AREAS

Third party panel GSM/GPRS/LAN communicator

Home owner notifications using SMS/Call

Backup communication channel for alarm panel

Remote control of PGMs via SMS/Call

MAIN FEATURES

- Configuration by PC (locally via USB cable or remotely via GPRS or LAN connection (with ELAN3-ALARM) and SMS text message.
- Supported communication methods: PSTN, Voice Calls (direct channel or data buffering via GSM audio), SMS, GPRS network and Ethernet via ELAN3-ALARM device.
- PSTN line state supervision.
- Supported communication protocols: Ademco Contact ID, 4+2, Scancom, EGR100, Kronos, SIA IP.
- Alarm panel wiring via PSTN (RING/TIP terminals), keybus and serial interface.
- Two onboard tampers – box tamper and wall tamper.
- 3 inputs customizable as NO (normally-open) or NC (normally-closed) with customizable alarm/restore Contact ID code and text for monitoring station notification and user by SMS text message respectively.
- 3 open-collector outputs for electrical appliance control, non-GSM alarm panel arming/disarming (keyswitch) or alarm/restore event report.
- Manual output control by free of charge phone call and SMS text message.
- Automatic output control in accordance with a specified event.
- Up to 3 users for minor device configuration by SMS text messages, acceptance of input alarm SMS text messages, output control by SMS text message and free of charge phone call.
- Up to 5 users for SMS text message containing Contact ID data converted to user-understandable text acceptance.
- Up to 2 administrators for remote device configuration initiation.
- Event log indicating communication activity in real-time.
- Periodic self-test notification to monitoring station.

⚙ SPECIFICATIONS

Electrical and Mechanical Characteristics

Supply voltage	10-24V 300mA max
Peak current	Up to 700mA
Current used in idle state	Up to 120mA
GSM modem frequencies:	2G 850/1900MHz, 3G 850/1900MHz
Number of "low" level (negative) digital inputs	3
Allowable input values voltage	0... 1.45V; current: 0.8... 0.6mA
Number of outputs	3
Output C1 - C3 circuit	Open collector output. Output is pulled to COM when turned ON.
Maximum commuting output values	3 x 30V; 50mA
Generated phone line values	Voltage: 48V; current: 25mA; impedance:270Ω
Dial tone frequency of generated phone line	425 Hz
Dimensions	129x78x18mm (5.08x3.07x0.71in)
Operating temperature range	-20...+55 ˚C
Humidity	0-90% RH @ 0... +40°C (0-90% RH @ +32... +104˚F) (noncondensing)

Operational Characteristics

Phone users	up to 5 (system reports to 10 users by SMS/Call)
ARC communication methods	up to 6
Backup communication methods to ARC	up to 5
Alarm panel wiring	PSTN (RING/TIP terminals)
KeyBus (serial data) interface	KeyBus (serial data) interface
Communications	SMS, Voice calls, GPRS, PSTN, Ethernet
Supported protocols	Ademco Contact ID, 4+2, Scancom, EGR100, Kronos, SIA IP

⚙ ABOUT ELDES

Eldes is the manufacturer of wireless GSM alarm and security products, founded in 2005 and based in Vilnius, Lithuania.

All security products are being certified with EN50131. ELDES is an ISO9001 company, and we also work hard to learn Design thinking, Good manufacturing practices, LEAN, Agile concepts and tools.

eldes ®

Certifications

CE 1383