CG17

CELLULAR SECURITY CONTROL PANEL

Remote control
Install a simple security system that can be monitored and controlled remotely.

Various equipment
Control various equipment remotely (e.g. heating and ventilation systems, automatic gates).

Monitor temperature
Monitor temperature, water or fuel level, or other parameters.

Notifications
Notify users about events.

Notifications to the receiver
Send event notifications to the receiver of a security company.

Sends events to monitoring station receiver:

• Sends events to TRIKDIS software or hardware receivers that work with any monitoring software.
• Can send event messages to SIA DC-09 receivers.
• Connection supervision by polling to IP receiver every 30 seconds (or by user defined period).
• Backup channel that will be used if connection with the primary channel is lost.
• Events can be reported to CMS with SMS messages. SMS will be sent even if data connection stops working in the mobile operator network.
• With parallel communication channels events can be sent to two receivers at same time.
• When Protegus service is enabled, events are first delivered to CMS, and only then are sent to app users.

Works with Protegus 2 app:

• “Push” and special sound notifications informing about events.
Remote system Arm/Disarm.
• Remote control of connected devices (lights, gates, ventilation systems, heating, sprinklers, etc.).
• Remote temperature monitoring (with iO or iO-WL expanders).
• Different user rights for administrator, installer and user.
• Users can also be informed about events with SMS messages and phone calls.

Notifies users about events:

• Sends SMS messages about events.
• “Push” and special sound event notifications using the Protegus 2 app.

Remote system and output control:

• Using Protegus app.
• Using contact (iButton) key reader.
• By calling the device’s phone number.
• Using SMS messages.
• Using an automatic “if...then” algorithm. E.g. when an input is enabled or the temperature exceeds a certain limit, an output will be turned on.

Supports these expanders:

• iO series wired or wireless expanders, which increase the number of inputs (IN) and outputs (OUT).
• GPS receiver (useful for protecting ATMs and vending machines).
• Fuel or water level sensor. For protecting gas tanks or monitoring water level.
• Backup power and charging of 12 V battery.

Inputs and outputs

• 1 input, 2 outputs and 3 double I/O terminals that can be set either as input (IN) or controllable output (OUT) terminals.
• One wire data bus (1-Wire) for connecting temperature sensors (up to 8) and a contact (iButton) key reader.
• Number of inputs (IN) or outputs (OUT) can be increased to 12 using iO series wired or wireless expanders.

Simple installation:

• Default settings for use either as a control panel or as communicator.
• Settings can be saved to file and quickly written to other devices.
• Configuration either using an USB cable or remotely using TrikdisConfig software.
• Two types of access levels (accounts), for the installer and for the administrator.

Parameter	Description	
Dual purpose terminals [IN/OUT]	3, can be set as either NC, NO, EOL=10kΩ type inputs or open collector (OC) type outputs with current up to 100mA	Expandable up to 12 with iO series wired or wireless expanders
Inputs [IN]	1, selectable type: NC, NO or EOL=10kΩ	
Outputs [OUT]	2, open collector (OC) type, up to 1A of current	
Number of areas	8	
1-Wire data bus length [1 WIRE]	Up to 30 m	
Compatible temperature sensors	Maxim®/Dallas® DS18S20, DS18B20	
Maximum number of temperature sensors connected to the 1-Wire data bus	8	
Compatible contact (iButton) keys [1 WIRE]	Maxim®/Dallas® DS1990A	
Maximum number of contact (iButton) keys	12	
RS485 data bus length	Up to 100m	
Maximum number of devices connected to the RS485 data bus	8	
Buffer memory capacity	60 events	
Number of communication channels	2 (1st channel: main, backup; 2nd channel: Protegus	
Internal clock	Yes	
Event reporting channels	GPRS or 4G, SMS	
Communication with CMS	TCP / IP or UDP / IP, or SMS	
Communication protocols	TRK, encrypted DC-09_2007 or DC-09_2012	
Modem 4G (Europe)	**GSM:** 850 / 900 / 1800 / 1900 MHz **LTE FDD:** B1/B3/B7/B8/B20/B28A	
Modem 4G (Latin America)	**GSM:** B2/B3/B5/B8 **LTE-FDD:** B2/B3/B4/B5/B7/B8/B28/B66	
Power supply [AC / +DC]	16-24V DC or 16-18V AC	
Current consumption	Up to 50mA (stand-by), Up to 200mA (short-term, transmitting)	
Backup power supply [BAT]	12V lead -acid battery	
Battery charge current	Up to 500mA	
Power supply voltage and current for external devices [+12V]	12V DC, up to 1000mA	
Operating environment	From -10 °C to + 50 °C, relative air humidity up to 70% at 0- +40 °C (no condensation)	
Dimensions	113 x 70 x 25mm	
Weight	0.10 kg	