

# CG17 CELLULAR SECURITY CONTROL PANEL



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



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



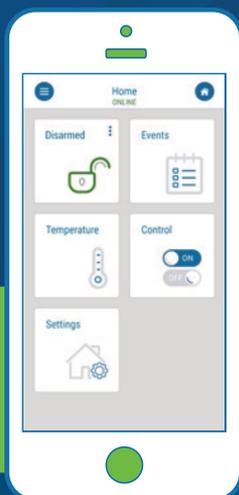
- Monitor temperature, water or fuel level, or other parameters.



- Notify users about events.



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



The control panel works with the Protegus app. It's free.



# FEATURES

## 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 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:

- Calls specified phone numbers (up to 8 users) and informs about events using recorded voice messages.
- Sends SMS messages about events.
- “Push” and special sound event notifications using the Protegus 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=10 kΩ type inputs or open collector (OC) type outputs with current up to 100 mA	Expandable up to 12 with iO series wired or wireless expanders
Inputs [IN]	1, selectable type: NC, NO or EOL=10 kΩ	
Outputs [OUT]	2, open collector (OC) type, up to 1 A 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 300 m	
Maximum number of devices connected to the RS485 data bus	8	
Buffer memory capacity	60 events	
Number of communication channels	2 (1 <sup>st</sup> channel: main, backup; 2 <sup>nd</sup> channel: Protegus)	
Internal clock	Yes	
Event reporting channels	GPRS or 3G, SMS, Voice call	
Communication with CMS	TCP / IP or UDP / IP, or SMS	
Communication protocols	TRK, encrypted DC-09_2007 or DC-09_2012	
GSM/GPRS modem frequencies	850 / 900 / 1800 / 1900 MHz	
3G modem frequencies	800 / 850 / 900 / 1900 / 2100 MHz	
Power supply [AC / +DC]	16-24 V DC or 16-18 V AC	
Current consumption	Up to 50 mA (stand-by), Up to 200 mA (short-term, transmitting)	
Backup power supply [BAT]	12 V lead – acid battery	
Battery charge current	Up to 500 mA	
Power supply voltage and current for external devices [+12 V]	12 V DC, up to 1000 mA	
Operating environment	From -10 °C to +50 °C, relative air humidity up to 70% at 0- +40 °C (no condensation)	
Dimensions	95 x 65 x 25 mm	
Weight	0.10 kg	