



**Building automation system:  
GTalarm2  
Produced by Topkodas, JSC**

**Security system;  
Access control system;  
Fire alarm system;  
Alarm Monitoring;  
Automation system.  
Lighting control;  
Electric power control;  
Heating, ventilation control;  
Air conditioning (HVAC) control;  
Lifts, elevators control;  
Plumbing control.**

## ABOUT UAB TOPKODAS, JSC:

Established in 2007 and headquartered in Kaunas, Lithuania, UAB Topkoda, JSC has developed an extensive, worldwide distribution network of factory trained and certified Partners throughout North America, Europe, the Middle East, Africa, Asia and Oceania.

UAB Topkoda, JSC began with access control, automation markets as our primary focus and continue to security in the area of residential and commercial needs.

UAB Topkoda, JSC provides building automation solutions for HVAC, lighting and access control, providing a technological showcase for energy efficient products.

GTalarm2 delivers improved indoor environmental quality for a comfortable building and increased occupant welfare, satisfaction and productivity. Occupants can adjust temperature settings of their choice. For building owners, gaining control of your energy consumption is essential, but you also need to ensure that your building automation system and energy management solution run optimally at all times, reducing maintenance, operating and equipment costs, all while maximizing occupant comfort.

## APPLICATIONS:

- Security system;
- Access control system;
- Fire alarm system;
- Alarm Monitoring;
- Automation system.
- Lighting control;
- Electric power control;
- Heating, ventilation control;
- Air conditioning (HVAC) control;
- Lifts, elevators control;
- Plumbing control.

## BENEFITS:

- Possibility of individual room control.
- Increased staff productivity.
- Effective monitoring and targeting of energy consumption.
- Improved plant reliability and life.
- Effective response to HVAC-related complaints.
- Save time and money during the maintenance.
- Higher rental value.
- More satisfied occupants.
- Remote monitoring of the plants.
- Ease of maintenance, information availability.
- Access control. Avoids the problem of lost keys.
- Enables restricted access, safeguarding equipment and stock.
- Restrict car park access to authorised personnel.

## ADDITIONAL BENEFITS:

- Data is consolidated onto a single system to improve reporting, information management and decision-making.
- Integrating and managing the HVAC, energy, security from a single workstation allows facility-wide insight and control for better performance.
- Increased operational savings – Efficient resource deployment can result in reduced operational costs and decreasing false alarms.
- Energy efficient – optimize your energy management strategies and minimize operational costs.
- Flexibility to grow and expand – The powerful combination of open systems protocols can help support growth and expansion of the system in the future.
- Reduced risk – alarm management and integrated security solutions helps to helping to speed up response time and mitigate risks for the property, people and business.
- Incorporates energy targets into overall business strategies.

## SPECIFICATIONS:

### Digital inputs/ outputs D1-D3:

- Programmable optional digital input or output;
- Max. Voltage 3.3V;
- Dallas 1-Wire Bus, DS18B20, DS1990A;
- Aosong 1-Wire bus Humidity Sensor AM2302 DHT22 AM2305 AM2306 AM2320 AM2321;
- Wiegand interface DATA0/ DATA1, RFID reader, Keyboard;
- The total length of the bus from 10 to 100m.

### IN1 - IN4 inputs:

- SMS text for input alarm and restore;
- Available to control until 32 sensors;
- Programmable enabling or disabling of inputs;
- Burglary alarm zones. Input type NC/NO/EOL/EOL+TAMPER 2.2K + 2.2K;
- 5.1K pull up resistor;
- Analog input 0-10V;
- Algorithm for zones operation: delay, interior, instant, 24 hours, silent, fire;
- Response time;
- Time of additional response;
- Commutation of selected output;
- Control of analog sensors.

### Inputs/outputs I/O1-I/O2:

- Programmable input or output;
- Burglary alarm zones. Input type: NC/NO/EOL/ EOL+TAMPER;
- Analog 0-10V/0-20mA/4-20mA;
- Control of analog sensors.

### Outputs (PGM):

- OUT1...OUT4 max current – (-V) 1000 mA;
- All outputs can be controlled via short call DIAL or via SMS message. This feature may be used for gate opening.
- Output alarm parameters may be programmed;
- Programmable algorithms for outputs operation: CTRL/SMS/DIAL, SIREN, BUZER, ARM state, Zones OK, Light ; Flash, inverting, pulse mode.

### Power supply voltage:

- Nominal power supply voltage – 12.6 V;
- Power supply voltage range 8 – 15 V;
- Max. Allowed ripple voltage 100mV.
- 3.3V power source output for external modules:
- Voltage 3.3V;
- Current limit 100mA.

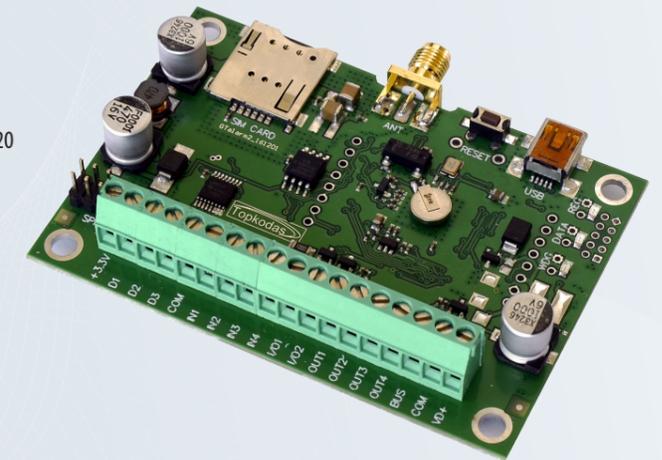
### BUS expansion modules or input/output:

- Voltage 8-15V;
- Current 20mA.

### 2-wire smoke detector inputs.

### Module weight: 43g

### Overall dimensions of the module: 84x66x18mm



## FEATURES:

Communication	SIA IP DC09 protocol
Analog inputs (pull up 5.1K) 0-10V	4
Analog Input/ Output , 0-10V , 0-20mA	2
Digital Inputs/Outputs 3.3V , 20mA	3
Wiegand interface, Dallas 1-Wire Bus	1
PGM outputs 24V/1000mA. Open Drain	4
Sensors: temperature, humidity	32
Digital expansion module BUS	1
Firmware upgradeable	via USB and SERA2 software
Events log buffer	2048 events
Users remote controls with mob phone	Up to 800
Users remote controls with iButton or RFID keycard	Up to 800
To control with Wiegand keyboard	Up to 800 user codes
Built-in-real-time clock backup battery	
Control via SMS	Unlimited
External microphone / speaker	1
Push button software reset	1

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