



Keypad

KB1-2

Data sheet

Device identification number

1. General Information

The “KB1-2” keypad with LED indication (hereinafter referred to as the keypad) is designed for control panels:

- “Contact GSM-5-2”;
- “Contact GSM-5A v.1”;
- “Contact GSM-5A v.2”;
- “Contact GSM-16”.

The keypad allows arming and disarming of areas using user codes; changing user codes, monitoring zones and areas of the security system, demonstrating the status of areas and zones, and transmitting alarm signals for emergency service units.

The keypad has an address architecture. It is possible to connect up to 15 keypads per data bus (depends on the device).

2. Manufacturer

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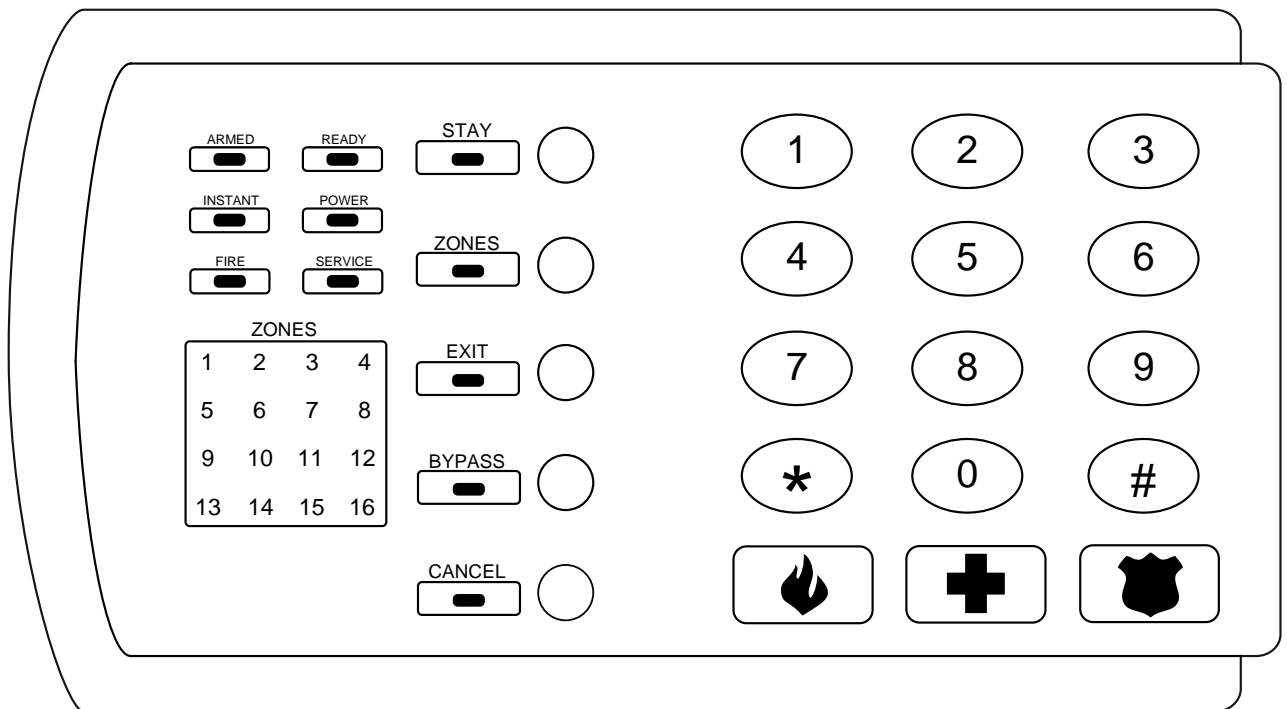
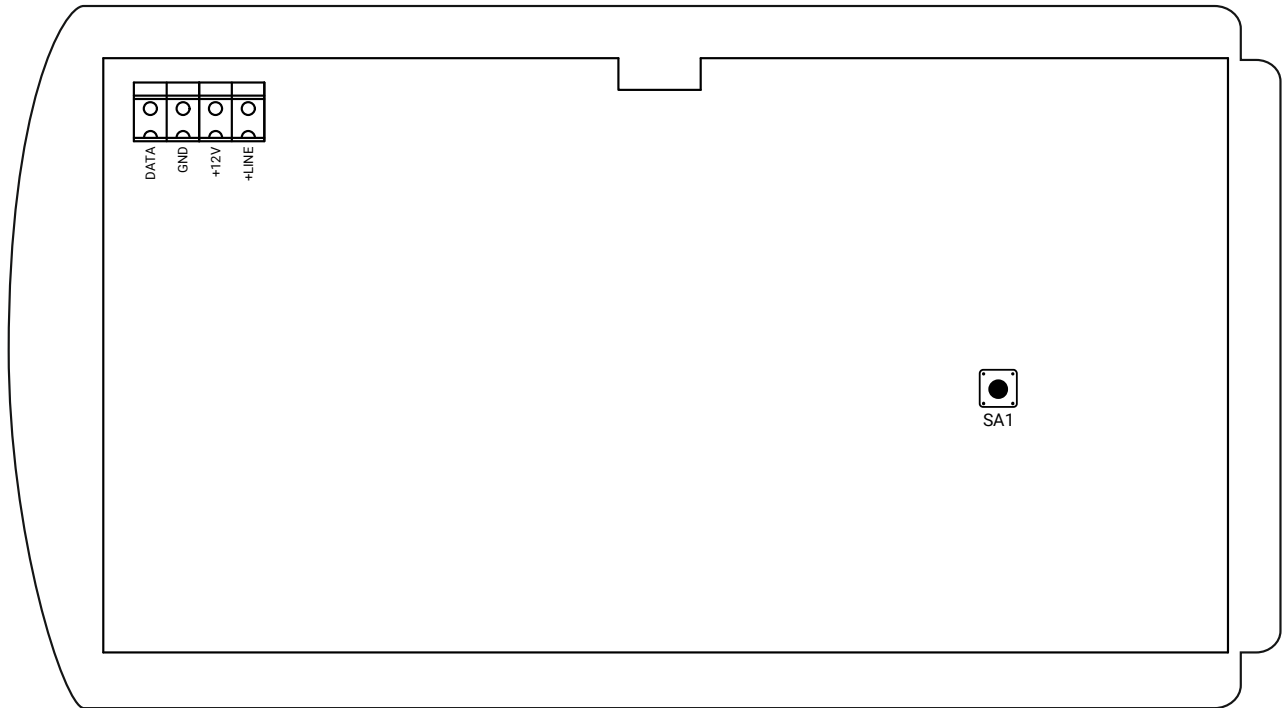
3. Package Contents

KB1-2 keypad	1 pc
Data sheet	1 pc
Packaging	1 pc

4. Technical Specifications

Parameter		Value
Maximum number of wired keypads	Contact GSM-5-2 Contact GSM-5A v.1 Contact GSM-5A v.2	15
	Contact GSM-16	5
Areas arming/disarming		+
User codes changing		+
Maximum distance from control panel, m		300
Visual indication		+
Audio indication		+
Tamper		+
Supply voltage, V		12 ± 2 DC
Current consumption in standby mode, mA		80
Dimensions, mm		160×100×30
Weight, g		200
Operating temperature range, °C		-30...+35

5. Designation of Elements



Element	Designation
DATA	Control panel Data bus connector.
GND, +12V	Connector for power supply: <ul style="list-style-type: none"> +12V – power supply “plus”; GND – power supply “minus”. It can be connected to the corresponding terminals of the control panel, or to an external power supply.
LINE	Not used.
SA1	Tamper.




6. Visual Indication

Please note that the indication is dependent on the type of control panel you are using. In the general case (Contact GSM-5-2) the indication is represented in the table:

Indicator	Status	Designation
ARMED		Not used.
READY	On	Setup from the keypad mode.
	Off	Work mode.
INSTANT	On	There are unsent events.
	Off	There are no unsent events.
POWER	On	Main power supply is on.
	Flash	No main power control (220V) or panel powered by backup power supply (battery), or there is no connection of the keyboard with the panel (SERVICE is on).
	Off	There are no panel's power supply.
FIRE	On	Fire alarm.
	Off	Fire areas are normal.
SERVICE	On	The indicator is on in the following cases: <ul style="list-style-type: none"> • there is no communication between the panel and keyboard (the security panel is connected to the computer via cable); • insufficient supply current that is supplied on the keyboard; • number of keyboard stored in keyboard memory does not match the keyboard number recorded in the panel memory.
	Off	Control panel is connected.
ZONES	On	The indicator is on in the following cases: <ul style="list-style-type: none"> • alarm in zone; • area is armed.
	Flash	The indicator flashes in the following cases: <ul style="list-style-type: none"> • alarm in the area; • zone failure.
	Off	The indicator is off in the following cases: <ul style="list-style-type: none"> • zone is normal; • area is disarmed.

7. Designation of Keys

Given the key assignment when connected to the panel Contact GSM-5-2.

Key	Designation	
STAY	Test keyboard indicators.	
ZONES	On	The status of zones 1...16 is displayed.
	Off	The status of the areas is displayed.
EXIT	Not used.	
BYPASS	Not used.	
CANCEL	Cancels all earlier entered symbols.	
0-9, *, #	Entry of corresponding symbol.	
	'Fire alarm' signal generation.	
	'Medical alarm' signal generation.	
	'Panic button' signal generation.	

The alarm buttons are set up in the control panel setup program.

8. Getting Ready for Operation

Setup the keypad before mounting on the object:

1. Connect the DATA and GND keypad terminals to the DATA and GND terminals of the control panel.
2. Turn on the power.
3. Set the keypad an unique number:
 - Open the back cover of the keypad;
 - Type the combination on the keypad:

7415963 <keypad's number>

where < **keypad's number** > – the three-digit number of the keypad (that is, to set the number 1, dial 001, to set the number 15, dial 015, and so on).

- Closing the cover at any time until the new address, consisting of three digits, is completed, cancels the operation.



When connecting to the **Contact GSM-5-2 (5-2; 5A v.1; 5A v.2)** panels, you must also specify the keypad number in the panel setup program. The number must be the same as the number specified manually on the keypad.

9. Placement and Installation



The keypad should be installed on a vertical surface, and not in the vicinity of EMI sources, large metal objects and structures, power cable runs.

1. Open the keypad enclosure.
2. Run all wires through a special opening in the enclosure back cover.
3. Securely fasten the back enclosure cover on a wall.
4. Connect the DATA and GND keypad terminals to the DATA and GND terminals of the control panel.
5. If the keypad is powered by the control panel, connect the +12V panel terminal to the +12V terminal of keypad. If the keypad is powered by a power supply, connect the +12V and GND terminals to the corresponding power supply terminals.
6. Turn on the power.
7. Close the cover firmly and fasten the retaining screw.

10. Transportation and Storage

The device should be transported in packaging in closed vehicles. Storage premises should be free of current-conducting dust, acid and alkaline fumes, corrosive gases and gases harmful to insulation.

11. Maintenance and Safety Measures

All set-up and maintenance activities applied to the device should be performed by duly qualified personnel.

12. Manufacturer's Warranties

The manufacturer guarantees that the device complies to requirements of the technical specifications, provided the client ensures compliances to conditions of transportation, storage, installation and operation.

Although the **warranty period** is 12 months from the commissioning date, it may not exceed 18 months from the production date.

The warranty storage period is 6 months from the production date.

The warranty does not cover the battery.

The manufacturer reserves the right for modification of the device in any way that does not degrade its functional characteristics without prior notice.

13. Information on Claims

In case of a device failure or defect during the warranty period, please fill in a malfunction report specifying the dates of issue and commissioning of the device and nature of the defect and submit it to the manufacturer.

For Notes