Wired touch keypad

LCD KB2

Data sheet

Device identification number

1. General Information

The LCD KB2 wired touch keypad (hereinafter referred to as the keypad) is designed to be connected to the following control panels:

- Contact GSM-5-2;
- Contact 15;
- Contact GSM-16.

The keypad allows arming and disarming security for system 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.

It may be used in a system together with KB1-2 wired keypads.

2. Manufacturer

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3. Package Contents

LCD KB2 wired touch keypad	1 pc
Holder	1 pc
Data sheet	1 pc
Package	1 pc

4. Technical Specifications

Parameter	Value
Quantity of keypads connected to data bus (Contact GSM-5/Contact GSM-16 and Contact 15)	15/5
Quantity of keypads connected to be powered from control panel (if sufficient power is available) (Contact GSM-5/Contact GSM-16 and Contact 15)	15/5
Possibility of arming one or several area(s)	Yes
Buzzer for indication of incoming/outgoing delay, security and fire alarms	Yes
Zone and area status indication	Yes
Availability of panic buttons	Yes
Arming/disarming code change	Yes
Touch screen type	Resistive
Screen resolution, px	480×272
Logo upload feature	Yes
Screen size (diagonal), inch	4.3
Maximum distance between keypad and panel, m	300
Supply voltage, V	12±2
Current consumption with screen off, mA	35
Maximum current consumption, mA	130
Dimensions, mm	120×75×15
Weight, g	130
Operating temperature range, °C	−30…+35

5. Designation of Elements

screen
calibration
button

screen

connectors

holder

+12V
GND
GND
GND
DATA

buzzer
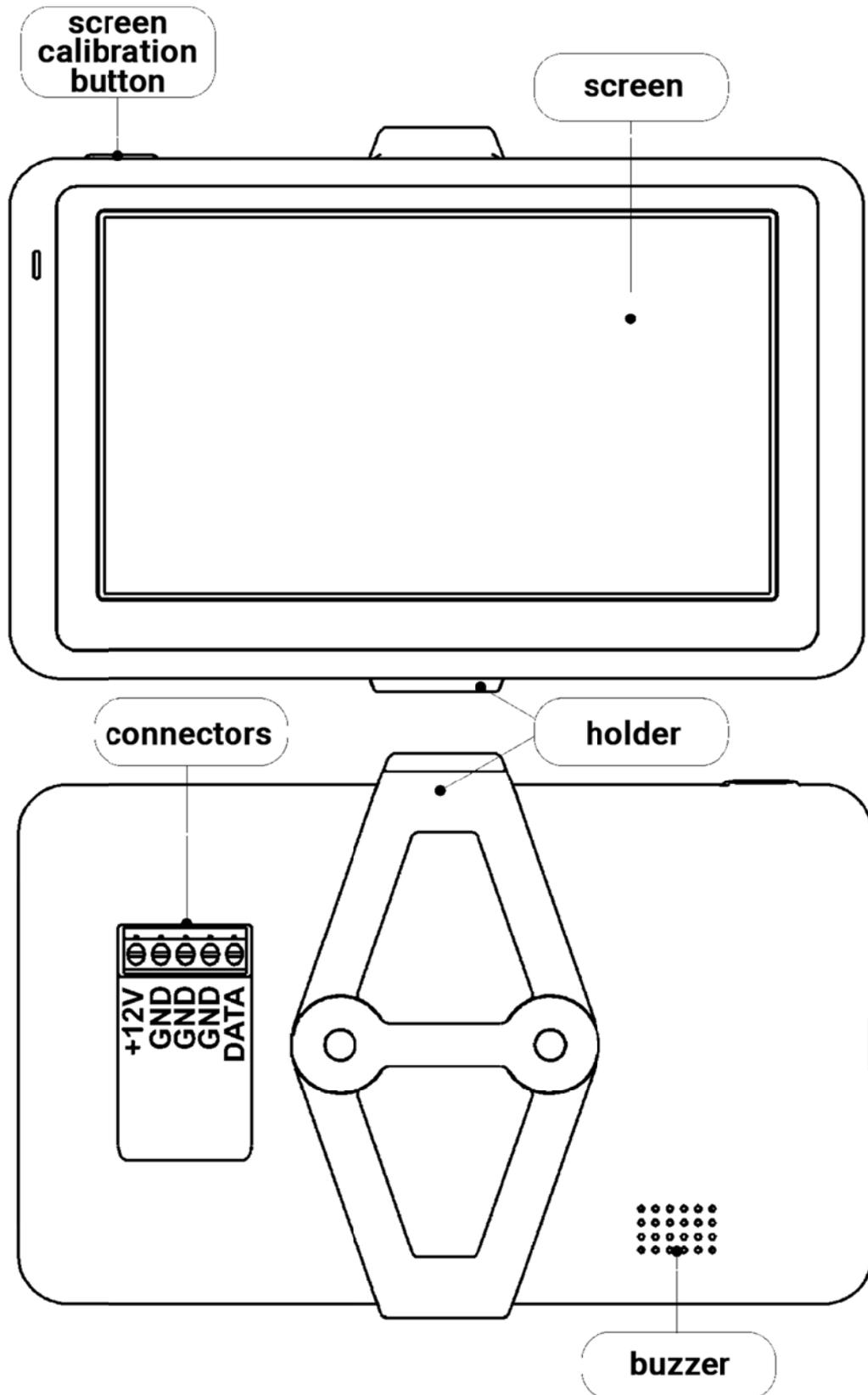
6. On Screen Visual Indication

The visual indication is described in the user manual for this keypad.

7. Designation of Button on Enclosure

The button on the keypad enclosure is used for launching the screen calibration[1].
To calibrate the keypad screen:

7.1. Power off the keypad.

7.2. Press the calibration button and hold it pressed.

7.3. Turn the power on.

7.4. After the keypad turns on, crosses will appear in the corners of the screen. Touch the center of each cross following any order.

Finishing this procedure makes the screen calibrated, and the keypad goes into its operating mode.

8. Designation of On Screen Keys

Button	Designation
0–9	Used for code entry. After the code is entered on the first screen, the indication screen appears showing area and zone statuses
*	Used to switch to the code change mode (*5 key)
#	Cancel
🔥 ➕ 🛡	Fire, medical, panic button. Corresponding alarms are generated when these are pressed (if the Panic Buttons feature of the panel is active). The duration of key pressing cannot be set up
Exit and Stay	Used for quick arming of areas and connecting to panels Contact 15 and Contact GSM-16.
Pass	Not used
> and <	Used for switching between screens

9. Audio Indication

The audio indication of a keypad turns on in the following cases:

9.1. When keys are pressed on the keypad screen.

9.2. When arming an area — one 2 second long signal.

9.3. When an incoming/outgoing delay is in place — a series of intermittent signals at the frequency of 1 Hz.

9.4. When a security/fire alarm is active at a specific time for Contact GSM-16 and Contact 15 devices.

10. Getting Ready for Operation with Contact GSM-5-2 Panel

10.1. The keypad may be powered by either the panel, and the side power source. When powering from a side power source, connect the +12V and GND terminals of the

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[1] The keypad is supplied with a calibrated screen. Use the calibration feature as necessary.

keypad to their corresponding outputs on the power source. The DATA and GND terminals on the keypad should be connected with the DATA and GND terminals of Contact GSM-5-2.

To power the keypad from the panel, connect the following terminals when the power is off:

Contact GSM-5-2	Keypad
+U	+12V
GND	GND[2]
DATA	DATA

10.2. Connect Contact GSM-5-2 to the PC with a USB2 cable.

10.3. Power on the devices.

10.4. Run the set-up software and connect to the keypad.

10.5. Assign the keypad a number and save the record (press Record)[3]. Close the keypad set-up software.

10.6. Run the Contact GSM-5-2 set-up software and add the assigned keypad number in the Keypads section. Save the record. Close the Contact GSM-5-2 set-up software.

10.7. The keypad is ready for operation. To arm an area, enter the four-digit code. To disarm an area, enter the same four-digit code. The arm/disarm area code should be set in the Contact GSM-5-2 panel configuration software.

11. Getting Ready for Operation with Contact GSM-16 and Contact 15

11.1. The keypad may be powered by either the panel, and the side power source. When powering from a side power source, connect the +12V and GND terminals of the keypad to their corresponding outputs on the power source. The DATA and GND terminals on the keypad should be connected with the DATA and GND terminals of Contact GSM-16 (15).

To power the keypad from the panel, connect the following terminals when the power is off:

Contact GSM-16 and Contact 15	Keypad
+U	+12V
GND	GND[2]
DATA	DATA

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[2] Any of three GND terminals on the enclosure may be connected.
[3] Assignment of a number is only possible when a panel is connected using a single keypad.

11.2. Connect Contact GSM-16 (15) to the PC.

11.3. Power on the devices.

11.4. Run the Contact GSM-16 or Contact 15 set-up software (depending on the panel used), open the Keypads page and add your keypad.

11.5. You will need to set-up areas controlled by this keypad. Save the record. Close the set-up software.

11.6. The keypad is ready for operation. To arm an area, enter the four-digit code. To disarm an area, enter the same four-digit code. The arm/disarm area code should be set in the panel configuration software.

Adding a keypad can also be done by installing a JMP1 jumper on the Contact GSM-16 panel. When the jumper is installed, all wired (not saved in the memory) and wireless (which have submitted the add request) devices are added. This being the case, only the first area of the panel will be available for operation. After the keypad has been added, remove the jumper. For a detailed configuration of the keypad, run the Contact GSM-16 panel set-up software.

12. 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.

13. Maintenance and Safety Measures

Periodically, at least twice a year, check the reliability of contacts and, if necessary, clear their bonding areas.

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

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

15. 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