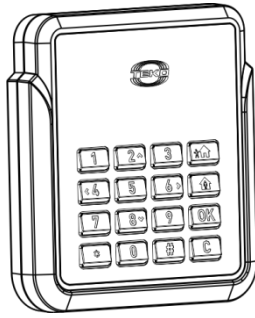




Astra-8121

Wireless keypad



User Guide

Manufacturer:
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Made in Russia

Rev. 8121-v1_1_instr_en

1 FUNCTION

The wireless keypad is designed to work as part of the Security Hub system.

Wireless keypad is intended for:

- entering and transmitting to the Security Hub controller commands for Arming/Disarming the object by entering **PIN code**, as well as quick buttons (all object), (a part of object, for example perimeter);
- transmitting the alarm signal by pressing the # button for more than **2 sec.**

2 TECHNICAL SPECIFICATION

Operating frequency range, MHz433
 Wireless coverage range, m.....100
 Supply voltage, V:
 - from battery cellfrom 2,6 to 3,0
 - from external power supplyfrom 5 to 12
 - from USB..... 5
 Battery average lifetime, years..... 1
 Overall dimensions, mm.....108×113×20,5

Operation conditions

Temperature range, °Cfrom -10 to + 50
 Relative air humidity, %..... up to 93 at +40°C
 without moisture condensation

3 DELIVERY SET

The delivery set includes:

Socket – 1 pc., contacts - 2 pcs., mounting parts (dowels - 4 pcs., screws - 4 pcs), batteries (AA, 1,5 V) - 2 pcs., user guide – 1 copy.

4 LED INDICATION

4.1 Keypad indication

Notification		LED
External power		White indicator is on
Power from battery		1x white flash with 1 min period
Code transfer		4x white flashes with 1 min period
Power failure (battery discharge)		10x red flashes with 1 min period
Frequency number	1	1x red flash¹
	3	3x red flash¹
¹ When applying power or changing frequency		

Note

1 When notice of "Power failure" appears, it is necessary to replace the battery within two weeks.

2 With a supply voltage of 2.2 V, the keypad is switched off.

4.2 Built-in sound

- Beeps when briefly pressing any button on the wireless keypad.
- Continuous sound when you hold any button on the keypad for more than 2 sec until the end of the hold.

5 OPERATING FREQUENCY SETTING

- **Frequency "1"**: when the power is off, simultaneously press and hold buttons **1** and **#**, apply power (install batteries), release the buttons after 5-7 seconds.
- **Frequency "3"**: when the power is off, simultaneously press and hold buttons **3** and **#**, apply power (install batteries), release the buttons after 5-7 seconds.

6 ADDING TO THE SYSTEM

- 1) Open the keypad.
- 2) Start assigning on the Security Hub mobile or desktop app. Assigning starts for 45-60 sec.
- 3) Insert battery into the keypad:
- 4) Detector's led start flashing: 5x white flash in 1 sec.

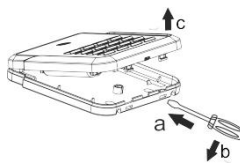
Make sure that the adding is successful on the Security Hub mobile or desktop app. If assigning is unsuccessful, repeat the procedure.

7 INSTALLATION PLACE

- It is recommended to install the keypad on the wall at the eye level of the operator.
- It is **not recommended** to install the keypad:
 - on massive metal structures or closer than 1 m from them;
 - closer than 1 m from power lines and metal water or gas pipes, radio interference sources;
 - inside metal structures.

8 INSTALLATION PROCEDURE

1) Push the cover latches out of the grooves of the base, remove the cover together with the PCB installed in it.



2) Make markup at the selected installation location on the enclosed base.

3) Connect the wires of the external power supply through the wire input holes (if necessary).



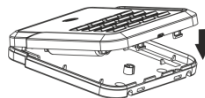
4) Fix the base of the keypad to the wall.

5) Install a batteries and / or (if necessary) connect external power supply wires:

- squeeze the wires with the contacts, insert the contacts into the socket (the contacts and the socket are supplied to delivery set);

- plug the socket into the corresponding socket on the PCB.

6) Assemble the keypad by closing the cover until it clicks.



7) Check keypad performance:

- send an alarm by holding the button **"#"** for more than 2 sec,

- check the alarm message in the mobile or desktop Security Hub Apps.

9 WARRANTY

Operational warranty period: 5 years from the date of commissioning, but no more than 5 years 6 months from the date of manufacture and subject to current user guide requirements.