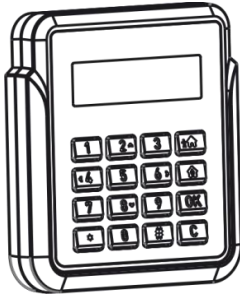




Astra-8131 Wireless keypad



User guide

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Made in Russia



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1 FUNCTION

1.1 Wireless keypad intended for operating with controllers Security Hub, Security Hub 4G.

1.2 Intended for:

- Control the CP with PIN codes, also with hot keys "away from home" (arming of the entire facility), "at home" (arming the perimeter only) (when working with the controller, it is necessary to pre-register the "perimeter" button).
- Sending Panic alarm signal: operating with CP – by pressing and # simultaneously, operating with Security Hub - pressing # button for more than 2 sec;
- Displaying the current state of the monitored facility (a group of the first 16 partitions assigned to this wireless keypad) received via radio from the Astra-812 Pro control panel directly or through the Astra-WE 433 radio extender or from the Security Hub controller.

2 SPECIFICATIONS

Operating frequency, MHz:
- Frequency channel «1»..... 433.42
- Frequency channel «3»..... 434.42
Wireless coverage range, m..... 300
Supply voltage, V:
- from battery 2.2 to 3.6
- from external power supply 12 V 5 to 15
- from USB (hardware update)..... 5
Average battery lifetime, years 2
Overall dimensions, mm 108×113×20,5
Operating conditions
Temperature range, °C..... from -10 to +55
Relative air humidity, %..... up to 98 at +40°C
without moisture condensation

3 DELIVERY SET

Delivery set includes: socket – 1 pc., contacts – 2 pcs., mounting set (dowels – 4 pcs., screws – 4 pcs.), battery (type AA, 3.6 V) – 1 pc., label – 2 pcs., user guide – 1 pc.

4 INDICATION

4.1 Keypad status

Notification	Display	Receiver
Power on (from battery)	-	+
Power normal (from battery)	-	+
Power failure (battery voltage lower than 2.2 V)		+
External power connected (powering from 12 V DC power supply or USB)		+
Tampering/ Tampering recovered	-	+

'+' - notification is send
'-' - notification is not send

4.2 Buzzer

Notification	Buzzer
Exit/Entry delay	Turns on 1 time/sec during the entry/exit delay time
Alarm	On continuously for 10 minutes until the alarm ends, or: - until button C is pressed on the keypad (when operating with CP), - prior to the receipt of the command, removal or reset of alarms (when operating with the controller)
Fire danger	Turns on 1 time in 2 sec for 0.5 sec until pressing the "C" button on the keypad
Fire	Turns on 1 time/sec for 0.5 sec until pressing the "C" button on the keypad
Arming	Single activation for 1 sec (when operating with a Security Hub)
Disarming	Double activation on for 1 sec (when operating with a Security Hub)

Notes

- If the message "Power failure" appears, the battery must be replaced within two weeks.
- At a supply voltage of 2.1 V, the keypad turns off.

5. KEYPAD MENU

Bring the remote control out of the "sleep" state by pressing any button on the keypad. Press the * button, enter the engineer's password, press OK.

Keypad menu:

Configuration

1. Registration
2. Delete from network
3. Contrast (1 to 7)
4. Key sound (deactivate or value from 1 to 5)
5. Backlight (activated/deactivated)
6. Buzzer
7. Firmware version

Moving through the menu items of the keypad is carried out using the "2Λ", "8V" buttons; the selection is confirmed by pressing the OK button.

When setting "Sound. Alert" to the "Off" position, in case of an alarm / fire, the display and audible notification do not turn on.

6. REGISTRATION

- 1) Create a radio network in accordance with the manual for Astra-812 Pro or the Instructions built into the PKM Astra Pro software.
- 2) Remove the keypad cover with the board installed in it by pushing the cover latches out of the base slots.
- 3) Start the **Wireless Device Registration mode** on the Control Panel in accordance with the manual. The mode starts for 60 seconds to register one device.
- 4) Power on the keypad (battery or external).
- 5) The keypad will start a self-test, then the display will show "Registration..." and the registration process will automatically start.
- 6) Check the registration:
 - In case of successful registration, the message "Synchronization..." will appear on the display, then – the current state of the facility.
 - In case of unsuccessful registration:
 - if the message "Attention! No registration", repeat the registration procedure by performing step 3) and starting registration from the keypad menu "1. Registration". Wait for the message "Completed";
 - if the display shows the message "No connection with the control panel", it means that the keypad was previously registered in another wireless network. Remove keypad from the old wireless network according to paragraph 10 and repeat the registration procedure.

Note – Selection of the operating frequency is performed automatically.

ATTENTION! Do not turn off the power of the keypad until the registration of all devices in the wireless network is complete.

7. REGISTRATION IN THE SECURITY HUB

- 1) Create a security section (if necessary) through the Internet application or AWS ARC in accordance with the Instructions for the "Security Hub" signaling (built into the Internet application).
- 2) Remove keypad's cover (see a.2 from p. 6)
- 3) Enable the mode of registration of radio detectors on the controller through the mobile App or Desktop software in accordance with the Manuals. The mode starts for 60 seconds to register one device.
- 4) Power on the keypad (battery or external power).
- 5) Check the registration:
 - in case of **successful** registration, assemble the remote control
 - in case of **unsuccessful** registration, remove the battery, press any button several times and repeat steps 3), 4)If the display shows the message "No connection with the Control Panel", it means that the keypad was previously registered in another wireless network. Remove the remote control from the old wireless network according to paragraph 10 and repeat the registration procedure.

8. REMOVING FROM CP MEMORY

Removing the keypad from a wireless network is performed through the PKM Astra Pro software or from the Astra-812 Pro control panel menu and from the keypad menu:

- 1) Enter the menu of the keypad with the engineer's password, select the menu item "Settings / 2. Remove from the network", press the OK button.
- 2) Wait for the message "Completed" to appear on the display, check in the Astra Pro PKM in the list of wireless devices.

9. REMOVING FROM CONTROLLER

Removing of the keypad from the operating wireless network of the controller is carried out through the mobile app or desktop app.

10. KEYPAD RESET

To enable the **registration procedure** to the new wireless network, it is necessary to reset the parame-

ters of the old wireless network: enter the menu of the keypad with the engineer's password "123456" (for control panel) or "5555" (for Security Hub controller), select the menu item "Settings / 2. Remove from the network", press the OK button.

Note - If, when entering the password "5555", the message "Invalid ID" is displayed on the remote control display, you need to repeat the deletion procedure using the password "123456".

11. INSTALLATION PLACE

- It is recommended to mount the keypad on the wall at the level of the operator's eyes.
- **Not recommended** places:
 - on massive metal structures or closer than 1 m from them;
 - closer than 1 m from power lines and metal water or gas pipes, sources of radio interference
 - inside of a metal construction.

12. INSTALLATION ORDER

- 1) Push the cover latches out of the base slots, remove the cover together with the PCB installed in it.
- 2) Make markings at the selected installation site on the attached base.
- 3) Connect the external power wires through the wire entry hole (if necessary).
- 4) Fix the base on the wall.
- 5) Insert the battery or external power supply.
- 6) Assemble the keypad.

Note – When an external power supply is connected, the keypad automatically switches to power from it, when disconnected, it switches to the battery power.

13. 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.

