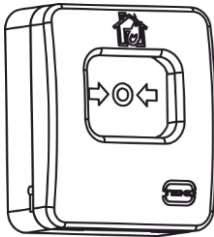# TEKO

Astra-4511
Wireless manual fire call point

User Guide

Manufacturer:
ZAO NTC TEKO
420108 Kazan, Russia
Gafuri 71
+7843 528-03-69
export@teko.biz
www.teko.biz

Made in Russia

CE

Ver. 4511rk2-v3_0_instr_en

1 FUNCTION

The detector is designed to manually turn on the fire alarm signal by pressing the drive element, generate a fire notification and transmit the notification via radio to the Astra-812 Pro control panel directly or via the Astra-WE 433 radio extender or to the Security hub.
The detector supports two-way radio exchange.

2 SPECIFICATION

Wieless coverage range,
line-of-sight, m, not less 300
Operating frequency range, MHz 433
Supply voltage, V........................from 2.1 to 3.0
Overall dimensions, mm...............110 × 94 × 47

Operation conditions
Temperature range, °C ....from - 10 to + 55
Relative air humidity, % .... up to 93 at + 40 °C
Without moisture condensation

3 DELIVERY SET

Detector delivery set includes: mounting parts (dowel – 2 pcs., screw – 2 pcs.,), special key for opening – 1 pc., key pusher – 1 pc., battery (CR123A, 3V) - 2 pcs. (installed), user guide – 1 copy.

4 INDICATION

Notification	Indication
Boot time	1x red flash then 1x white led flash
Norm	1x red flash in 60 sec. period
Fire alarm	1x red flash every 2 sec. until the fire factor is eliminated. 2x flashing in a period of 25 sec. when eliminating the fire factor before receiving a command from the controller
Test fire	1x red flash in every 2 sec. during 30 sec. when receiving the test command from the Astra-942 laser remote control
Power failure	3x red flash in 25 sec. period
Tampering / Restore tampering	1x red flash
Searching connection	5x white flash in 1 sec.
No connection	2x white flash in 25 sec. period
Reset	**2**x white flash in 1-2 sec.
Laser tool command	1x red flash for 2 sec.

Notes
1 When the message "Power failure" appears, the battery must be replaced within two months.
2 Indication of notifications "Power failure", "No network", "Search for network" goes off 60 minutes after turning on the power supply. The indication turns on again for 60 minutes after receiving the "Test" command from the Astra-942 laser tool.

5 ASSIGNING TO THE SYSTEM

1) Start registration on the Astra-812 Pro, Security Hub mobile or desktop app. Registration starts for 45-60 sec.
2) Turn on the detector by pulling out the battery insulator or by installing the battery.
3) Detectors led start flashing: 5x white flash in 1 sec – searching of connection.
If after 4 sec. the display appears "No connection", so the detector was previously registered to another wireless network. In this case, you need to reset detector (see p. 6) and repeat the registration procedure. Before registration - remove the battery and wait at least 20 sec.
4) Make sure that the registration is successful. If registration is unsuccessful, repeat the procedure.

ATTENTION!

Do not turn off the detector until end of registration of all radio devices!

6 RESET PROCEDURE

• Removing the detector from the wireless network is carried out via the PKM Astra Pro software or via the menu of the Astra-812 Pro control panel or via Security Hub mobile App.
• To **reset** the detector:
1) Open the detector.
2) Close the **DEL** contacts and hold for 5 sec. - the red led will turn on.
3) After turning off the red led, open the **DEL** contacts within 5 sec.
4) The detector generates a notification "No connection" and becomes available for registering to the system.
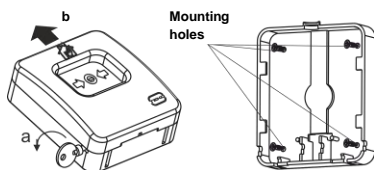
7 INSTALLATION PLACE

The detector is installed in an accessible place along evacuation routes, in corridors, on landings, at exits.
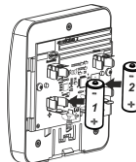
8 INSTALLATION PROCEDURE

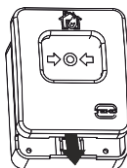**1)** Open the detector using a special key. **2)** Fix the base

3) Pull out the batteries insulators or install batteries if they were removed (first backup "Secondary", then the main "Primary").

4) Assemble the detector by aligning the grooves of the cover and the base of the detector and sliding the cover down until the latch locks.
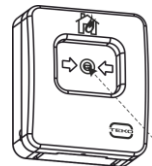**5)** Run detector test (see p. 9).

9 TESTING

1) To activate the **«Test»** mode:
- push the **red button** of the laser tool;
- irradiate the LED for **1 sec**. LED should turn on in red for 2 sec.
2) Normal operation of the detector: led on the detector will start flashing with a period of 2 sec for 30 sec ("Test fire" notification). In the event log of Astra-812 Pro, PKM Astra Pro, the entry "Test fire" will be made.
Note – WE 433 leds don't display test fire.

10 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.