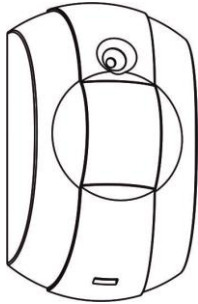




Astra-531 ver. DC

Dual channel detector



User guide

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

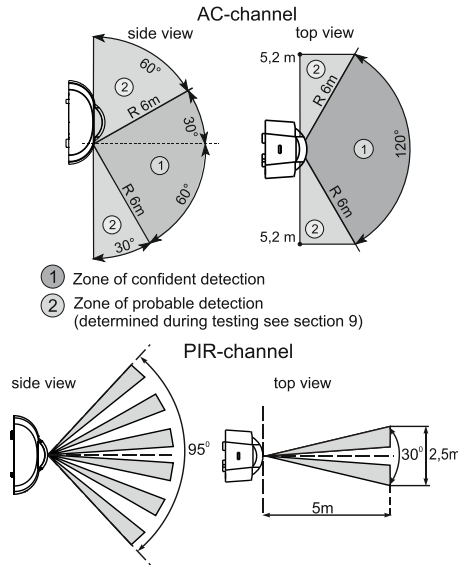
Made in Russia

rev. 531-smv1_6_instr_en

1 FUNCTION

Detector is intended to detect unauthorized access into closed protected area and to generate an alarm notification by opening signaling relay output contacts.

2 DETECTION ZONES



3 SPECIFICATIONS

Range of detectable moving speed, m/sec from 0.3 up to 3.0
 Power supply voltage, V from 8 up to 15
 Current consumption, mA, max 18
 Overall dimensions, mm 62×37×29

Operating Conditions

Temperature range, °C from - 30 up to + 55
 Relative air humidity, % up to 98 at +25 °C
 without moisture condensation

4 DELIVERY SET

Delivery set includes: dowel - 2 pcs., screw - 2 pcs., bracket - 1 pc.

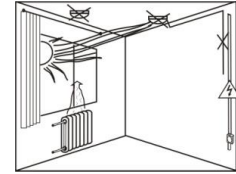
5 INSTALLATION PLACE

- 1) Recommended installation height 2,5-3,5 m and a distance of 6 m to the most distant point of the secured window.
- 2) It is possible to install the detector on a ceiling, wall, and window holes.
- 3) It is not allowed to operate the detector in a room with a high level of sound interference.

To eliminate false alarms

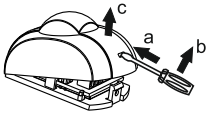
- 1) In the room for the period of protection, close doors, vents, turn off possible sources of strong air currents (fans, air conditioners) and sound interference (broadcast loudspeakers, etc.).
- 2) All sections of the protected glass must be within the line of sight of the detector; it is prohibited to mask the detector with decorative curtains, because at the same time, loss of its sensitivity is possible.

Not recommended installation locations

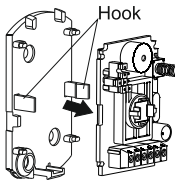


7 INSTALLATION ORDER

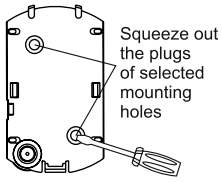
1) Open cover



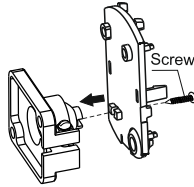
2) Remove PCB



3a) Wall installation

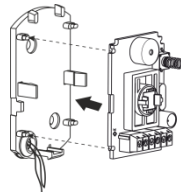


3b) Bracket installation



Orient the base of the detector strictly according to the figure!

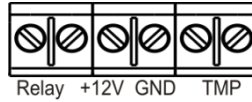
4) Install PCB and connect wires (see. p. 8)



5) Perform testing of Ac and PIR channels (see. p. 9)

8 CONNECTION

Connect to the detector terminals in accordance with the user guide for the control panel.



RELAY – terminals for connection to the alarm loop;

TMP – tampering terminals;

GND, +12V – power supply terminals.

9 TESTING

AC-channel:

1) Power on the detector. Indicator will blink for **60 sec.**

2) Activate AC-channel test mode. Mode activates for 8 min.

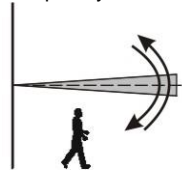
3) Close the cover.

4) With glass break simulator (supplied separately) check the triggering of the detector, for acoustic noises (when hi-frequency noise – indicator blinks 2 times per 1 sec; when low-frequency noise - 1 time per 1 sec).

PIR-channel:

Perform **TEST-pass.**

Moving through detection zone with 0,3 m/sec speed and 3 m/sec speed check the sensitivity zones by short enables of the indicator.



10 WARRANTY

The operation warranty period is 5 years from the date of operation start-up but no longer than 5 years 6 months from the date of manufacturing subject to the requirements of the User guide.