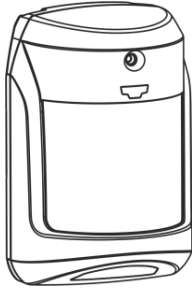




Astra-621ver. RF
Wireless dual type detector
(PIR+Acoustic)



User guide

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Made in Russia



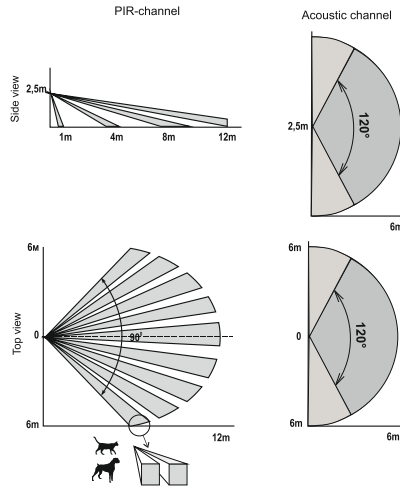
rev. 621rk-v1_2_instr_en

1 FUNCTION

The detector is designed to detect intrusion into protected space and/or glass breaking of the glazed structures, generate an alarm notification and transmit the notification via radio to the radio receiver.

The detector is insensitive to pets up to 20 kg weight.

2 DETECTION ZONE



3 SPECIFICATIONS

2 range of acoustic operation frequencies:
 - first (high), kHz 6.0 ± 0.1
 - second (low), Hz 150 ± 10
 Wireless coverage range (line-of-sight), m ... 300
 Supply voltage, V 2.2 to 3.0
 Overall dimensions, mm 92×64×45

Operation conditions

Temperature range, °C - 20 to + 55
 Relative air humidity, % up to 98 at + 25°C
 without moisture condensation

4 DELIVERY SET

Set includes: mounting parts (dowel - 2 pcs., screw - 2 pcs.), battery CR123A 3V (installed) – 1 pc., bracket – 1 pc., user guide – 1 copy.

5 INDICATION

Notification indication turns off 60 min. later (except for the "Power failure" notification) after the installation of the battery. Re-enabling the indication - when installing the battery or upon receiving any command from the laser tool Astra-942.

Notification	LED	CP
Boot time	Lights up for a period of 1 to 20 sec, then flashes 1 time in 2 sec (no more than 60 sec)	-
Norm	Off	+
Acoustic alarm	Lights up for 2 sec	+
PIR-alarm	Lights up for 1 sec	+
Low freq. interference	1x flashes with a period of 0.6 sec when exposed to interference	-
Hi freq. interference	2x flashes with a period of 0.6 sec when exposed to interference	-
Tampering	Off	+
Tampering recovered	Off	+
Power failure	3x flashes with a period of 25 sec	+

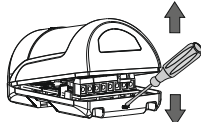
'+' – notification issued,
 '-' – notification not issued

6 REGISTRATION

ATTENTION!

When registering a detector in the receiver, the frequency of the detector and the receiver must match.

1) Remove the detector cover by pushing the cover latch out of the base groove.



2) Pull out the battery insulator or install the battery, observing the polarity.

3) By closing the Lit contact with a screwdriver, set the required operating frequency of the detector in accordance with the receiver's frequency

- 1x flash – frequency 1 set

- 3x flash – frequency 3 set

4) Start the registration mode on the receiver according to the method described in the Manuals.

The mode starts for 45-60 sec.

5) Power on the detector by removing and reinstalling the battery. Wait at least 20 sec before power on again.

In case of unsuccessful registration, remove the battery and repeat the procedure.

6) Check the registration, according to the method described in the Manuals.

7 INSTALLATION PLACE

1) Recommended installation height is 2.3-2.5 m and at a distance not more than 6m from the most distant point of protected glass.

2) The detector cannot be used in premises with high level of acoustic interference.

To eliminate false alarms

1) It is recommended to close all doors, air-vents, switch off possible sources of intense air flows (fans, air-conditioners) and acoustic inter-

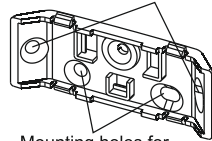
ferences (loudspeakers, etc.) in the room during protection period.

2) The detector's location should provide direct visibility of all secured glass parts; masking the detector with decorative curtains is not allowed, as sensitivity may be lost.

8 INSTALLATION ORDER

1) Fix the bracket

Mounting holes for corner installation

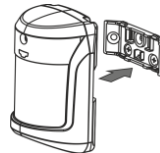


Mounting holes for wall installation

4) Mount the detector on the bracket, aligning the grooves for the bracket on the detector base with the bracket latches and pushing the base until it stops (until it clicks).

2) Power on the detector if it was previously turned off (see p. 6, steps 1) and 2)).

3) Close detector's cover.



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

It is possible to install using the Atra-5/621 bracket (supplied separately).

5) Test Acoustic-channel and PIR-channel (see p. 9)

9 TEST

If more than 60 minutes have passed since the detector was powered on, reinstall the battery and close the detector's cover, or light up the detector indicator with any button of the laser tool.

AC-channel:

1) Using a glass break simulator, check the detector operation for glass break simulation,

high-frequency and low-frequency noise (see table).

Note – It is recommended to use "Honeywell": FG-701 Glassbreak Simulator, "DSCTM": AFT-100 Glass-break Simulator.

2) Check in the event log of the receiver presence of the "Alarm" entry on the 2nd detection channel.

PIR-channel:

1) Perform TEST-pass.

2) At the moment of detection, the indicator of the detector lights up for 1 sec.

3) Check in the event log of the receiver presence of the "Alarm" entry on the 1st detection channel.



10 WARRANTY

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