



Astra-GB

**Acoustic Glass Break
Detector**



User Guide

Manufacturer:
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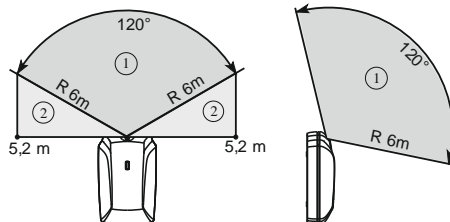
Made in Russia

rev. GB-v2_5_instr_en

1 FUNCTION

The detector is designed to detect destruction of glasses, glazed structures of enclosed area and generate an alarm notification by opening of signaling relay contacts.

2 DETECTION ZONE



- ① Confident detection area
- ② Probable detection area (for determination procedure see p.9)

3 SPECIFICATIONS

Maximal detection range, m 6
 Operating frequencies:
 first, Hz 6000±100
 second, Hz 150±10
 Power supply voltage, V from 8 up to 15
 Current consumption, mA, max 12
 Overall dimensions, mm 87×55×28

Operating Conditions

Temperature range, °C from - 20 up to +50
 Relative air humidity, % up to 95 at +35 °C
 Without moisture condensation

4 DELIVERY SET

Delivery set includes: dowel – 2 pcs., screw – 2 pcs., label – 2 pcs.

5 MODES OF OPERATION

	Plug name	Jumper position
Interference indication ON	Green	
Interference indication OFF		
Alarm indication ON	Red	
Alarm indication OFF		
“Alarm memory” ON	Mem	
“Alarm memory” OFF		
Min sensitivity	Sens0 Sens1	
Low sensitivity		
High sensitivity		
Max sensitivity		

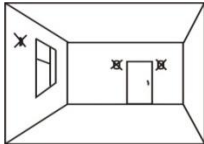
6 INSTALLATION PLACE

- 1) Recommended installation height is at least 2m and at a distance not more than 6m from the most distant spot of protected glass.
- 2) The detector cannot be used in premises with high level of acoustic interference.
- 3) Alarm loop wires should be located far from power cables.

To eliminate false alarm hazards

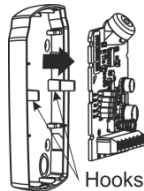
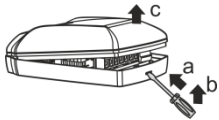
- 1) It is recommended close doors and vents, switch off fans, loud-speakers and other possible sources of acoustic interference in the room during protection period.
- 2) The detector's location should provide direct visibility of all secured glass parts; masking the detector with decorative curtains is not allowed, as sensitivity may be lost.

Not recommended installation places

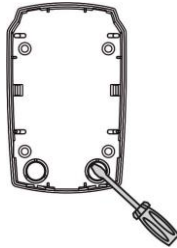


7 INSTALLATION PROCEDURE

- 1) Remove the cover
- 2) Remove PCB

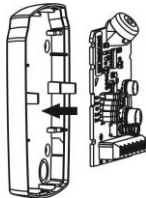


- 3) Push out wire insertion holes caps.

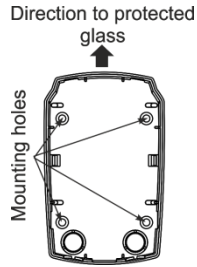


Detector base should be positioned strictly as per figure!

- 4) Install PCB and perform wiring (see p.8)



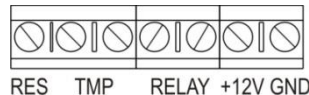
- 4) Mount on a wall.



- 5) Perform GB-channel test (see p.9)

8 WIRING

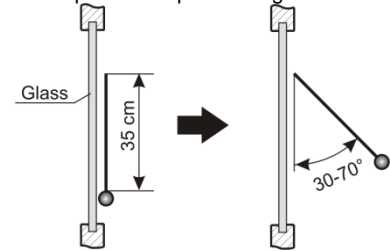
Perform wiring to detector's terminals in accordance with control panel operating manual.



RES – terminating resistor connection terminal;
TMP – detector tampering control terminals;
RELAY – terminals for detector connection to alarm loop (zone);
+12V, GND – power supply terminals.

9 TEST

- 1) Install jumpers on **Green, Red, Sens0, Sens1** plugs. Remove jumper from **Mem** plug.
- 2) Close the detector.
- 3) Power ON the detector.
- 4) Apply non-destructive strike to the most distant part of the protected glass.



- 5) At the detection moment the red LED should light up for 7s and relay should open (check with the control panel) or green LED should double-flash one time.

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 User guide.