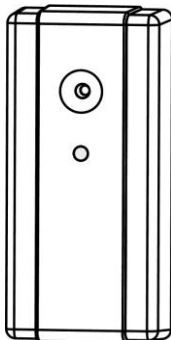




Astra-612

Acoustic Surface Glass Break Detector



User Guide

Manufacturer:

TEKO-TD

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support@teko.biz

Made in Russia

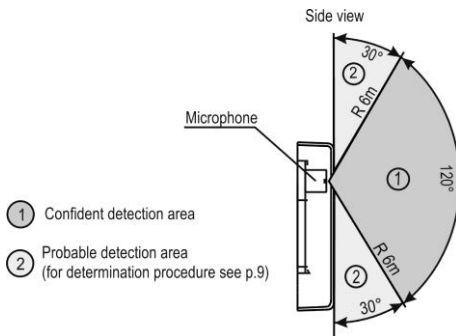


Rev. 612-v1_1_instr_EN

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



3 SPECIFICATION

Maximal detection range, m 6

Operating frequencies:

first, Hz 6000±100

second, Hz 150±10

Power supply voltage, V from 8 to 15

Current consumption, mA, max 18

Overall dimensions, mm 70×33×16

Operating Conditions

Temperature range, °C from -10 to +50

Relative air humidity, % from 95 at + 35 °C
without moisture condensation

4 DELIVERY SET

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

5 MODES OF OPERATION

	Plug name	Jumper position
Indication OFF	Ind	
Indication ON		
"Alarm memory" OFF	Mem	
"Alarm memory" ON		
Normal sensitivity	Sens	
High sensitivity		

6 INSTALLATION PLACE

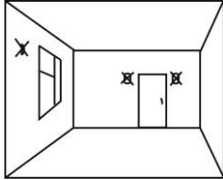
- 1) Recommended installation height is at least 2m and at a distance not more than 6m from the most distant spot of protected glass.
- 2) The detector cannot be used in premises with high level of acoustic interference.
- 3) Alarm loop and power supply wires should be located far from power cables.

To eliminate false alarm hazards

- 1) It is recommended to close doors and vents, switch off fans, loud-speakers and other possible sources of acoustic interference in the room during protection period.

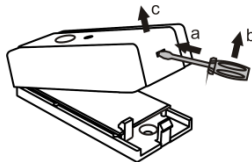
2) The detector's location should provide direct visibility of all secured glass parts; masking the detector with decorative curtains is not allowed, as sensitivity may be lost.

Not recommended installation places

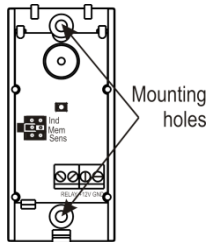


7 INSTALLATION PROCEDURE

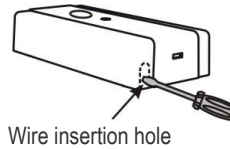
1) Remove the cover



2) Fix the base



3) Squeeze out the cap of the wire insertion hole.

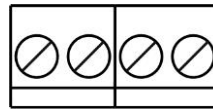


4) Perform wiring (see p. 8)

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

8 WIRING

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

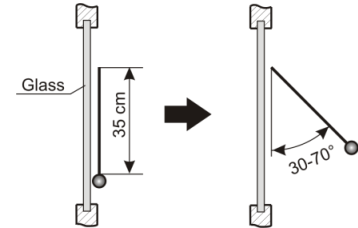


Relay +12V GND

RELAY – terminals for detector connection to alarm loop;
+12V, GND – power supply terminals.

9 AC-CHANNEL TEST

- 1) Remove jumper from **Mem** plug, install jumpers on **Ind** and **Sens** plugs.
- 2) Assemble the detector.
- 3) Power detector ON.
- 4) Apply non-destructive strike to the most distant part of the protected glass.



5) At the detection moment the LED should light up for **4s** and relay should open (check with control panel).

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 Operating Manual.