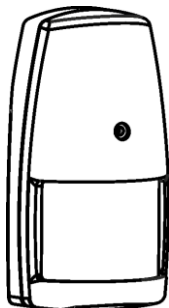




Astra-621

PIR Motion

+ Acoustic Glass Break
detector



User Guide

Manufacturer:

TEKO-TD

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Made in Russia

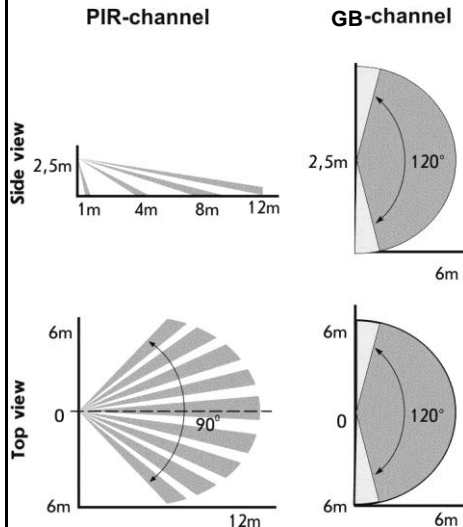


Rev. 621-v1_6_instr_EN

1 FUNCTION

The detector is intended for detection of unauthorized access into an enclosed area, detection of glass breaking of glazed constructions of an enclosed area and generation of an alarm notification by opening contacts of dedicated alarm relay.

2 DETECTION ZONE



3 SPECIFICATIONS

Range of detected moving speed, m/s.....from 0,3 up to 3,0
Power supply voltage, V.....from 8 up to 15
Current consumption, mA, max.....15

Overall dimensions, mm.....110 × 60 × 45

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., user guide – 1 pcs.

5 MODES OF OPERATION

	Plug name	Jumper position
Indication ON	Ind	
Indication OFF		
GB-channel TEST	Tst	See sec. 9
High sensitivity of GB-channel	GB	
Normal sensitivity of GB-channel		
High detectability of PIR channel	PIR	
Normal detectability of PIR channel		
"Alarm memory" ON	Mem	
"Alarm memory" OFF		

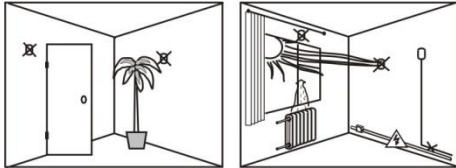
6 INSTALLATION PLACE

- 1) Recommended installation height is **2.3-2.5 m** 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

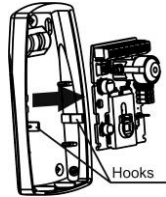
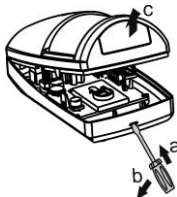
- 1) It is recommended to close all doors, air-vents, switch off possible sources of intense air flows (fans, air-conditioners) and acoustic interferences (loudspeakers, etc.) in the room during protection period.
- 2) The detector's location should provide direct visibility of all secured glass parts; masking the detector with decorative curtains is not allowed, as sensitivity may be lost.

Not recommended installation places

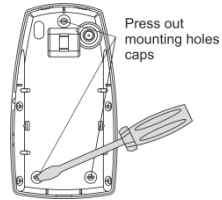


7 INSTALLATION PROCEDURE

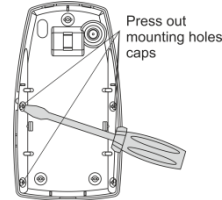
- 1) Remove cover
- 2) Remove PCB



3a) Mounting on the wall



3b) Mounting in the corner



Detector base should be positioned strictly as per figure!

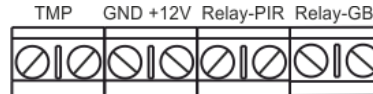
There is a possibility to install detector using a bracket (delivered separately).

4) Install PCB and perform wiring (see sec.8)

5) Perform GB- / PIR-channel tests (see sec.9)

8 WIRING

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

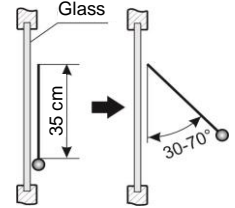


TMP – detector tampering control terminals;
RELAY-PIR, RELAY-GB – terminals for detector connection to alarm loop;
+12V, GND – power supply terminals.

9 TEST

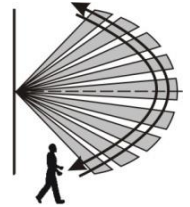
GB-channel test:

- 1) Remove jumpers from **Mem** and **GB** plugs, install jumper on **Ind** plug.
- 2) Power detector ON. LED starts flash during **60 sec.**
- 3) During this time close shortly **Tst** plug using screwdriver. **AC-channel TEST** mode switches for **8 min.**
- 4) Assemble the detector.
- 5) Apply non-destructive strike to the most distant part of the protected glass.
- 6) At the detection moment LED should light up for **4s** and relay should open (check with control panel) or LED should double-flash one time.



PIR-channel test:

Perform **TEST-pass**.
To detect sensitive zones pass through detection zone with the speed of 0.3-3 m/s. Make sure the "**Alarm - IR**" notification is issued with each pass.



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.