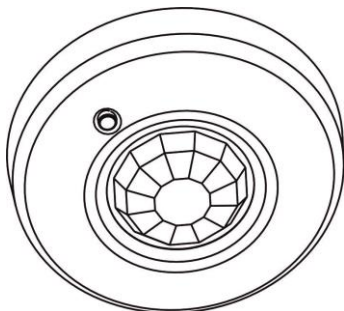




## Astra-7 Ver.A

(Volumetric Lens)

Optic-Electronic PIR Motion  
Detector



User Guide

Manufacturer:

**TEKO-TD**

Prospekt Pobedy str. 19

420138 Kazan, Russia

+7(843) 528-03-69

[support@teko.biz](mailto:support@teko.biz) [www.teko.biz](http://www.teko.biz) [www.teko.biz/en](http://www.teko.biz/en)

Made in Russia

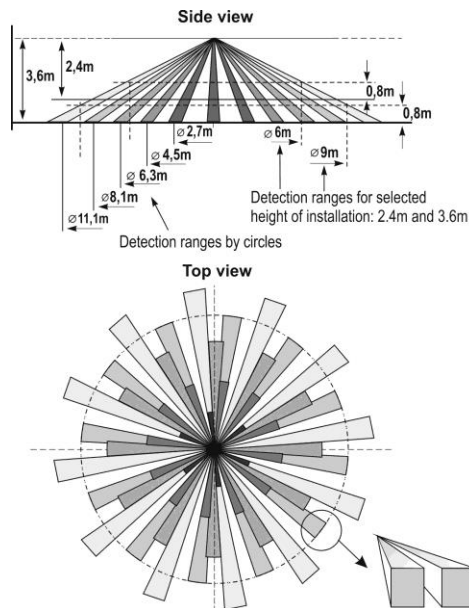


Rev. 7-av1\_1\_instr\_EN

### 1 FUNCTION

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

### 2 DETECTION ZONE



### 3 SPECIFICATION

Range of detectable 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.....diameter 91  
height 31

### Operating Conditions

Temperature range, °C..... from - 30 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	Jumper position
High detectability	Mode	
Normal detectability		
Indication ON	Ind	
Indication OFF		
“Alarm memory” ON	Mem	
“Alarm memory” OFF		
TEST-pass	Ind	See sec. 9

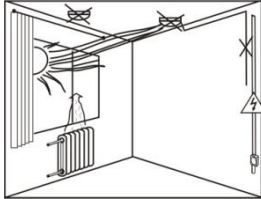
## 6 INSTALLATION PLACE

- 1) Recommended installation height is 2.4-3.6 m.
- 2) Detector should be installed on the ceiling (or any other horizontal surface) **horizontally**.
- 3) Alarm loop and power supply wires should be located far from power cables.

### To eliminate false alarm hazards

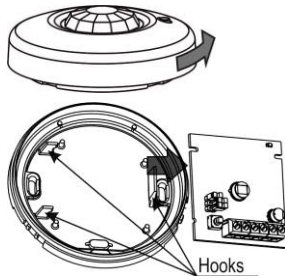
It is recommended to close all doors, air-vents, switch off fans, air-conditioners and other sources of intense air flows in the room during protection period.

### Not recommended installation places

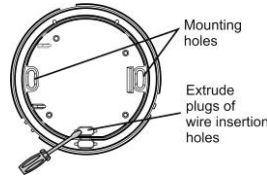


## 7 INSTALLATION PROCEDURE

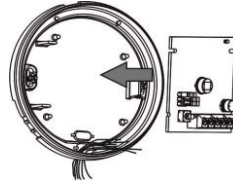
- 1) Remove cover
- 2) Remove PCB



- 3) Install base on the ceiling



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



- 5) Perform TEST-pass (see sec.9)

## 8 WIRING

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



TMP Relay +12V GND

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

## 9 TEST-PASS

- 1) Remove jumper from **Mem** plug, install jumpers on **Ind** and **Mode** plugs.
- 2) Power detector ON. LED starts flash during **60 sec.**

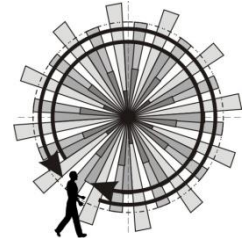
- 3) During this time



- 4) Close detector.

- 5) To detect sensitive zones carry out **TEST-pass** in the secured zone with the speed of **0,3 m/s**.

On detection (indicator is lighted for **2s**) one should stop, mark this position, then make step back and continue moving. Repeat **TEST-pass** inversely.



## 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.