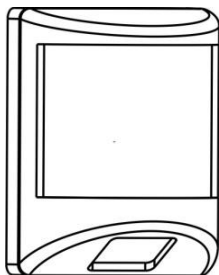




**Astra-5 Ver. A**  
**Optic-Electronic PIR**  
**Motion Detector**  
**(Volumetric Lens)**



**User Guide**

**Manufacturer:**  
**TEKO-TD**  
 Prospekt Pobedy str. 19  
 420138 Kazan, Russia  
 +7(843) 528-03-69  
[export@teko.biz](mailto:export@teko.biz)

**Made in Russia**

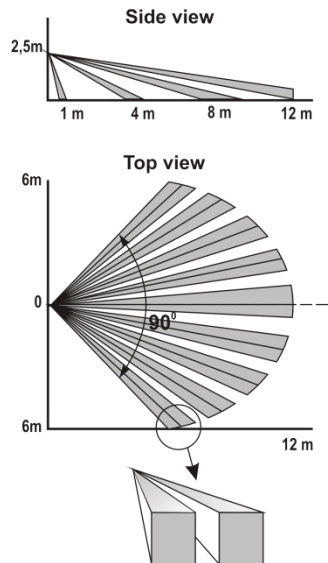


Rev. 5-av1\_4\_instr\_EN

**1 FUNCTION**

Detector is intended to detect unauthorized access into closed protected area and to generate an alarm notification by opening signaling relay output 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.....75 × 58 × 48

**Operating Conditions**

Temperature range, °C..... from - 30 up to +50  
 Relative air humidity, % ..... up to 98 at +25 °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
High detectability	<b>Sens</b>	
Normal detectability		
Indication ON	<b>Ind</b>	
Indication OFF		
“Alarm memory” ON	<b>Mem</b>	
“Alarm memory” OFF		
TEST-pass	<b>Ind</b>	See sec. 9

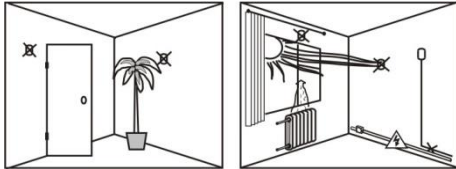
## 6 INSTALLATION PLACE

- 1) Recommended installation height is 2.4-2.5 m.
- 2) Install detector on bearing walls and carriers.
- 3) Alarm loop wires should be located far from power cables.

### To eliminate false alarm hazards

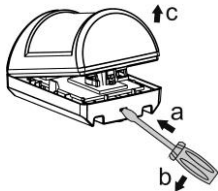
It is recommended to close all doors, air-vents, switch off fans, air-conditioners and other sources of intense air flows in the room during protection period.

### Not recommended installation locations

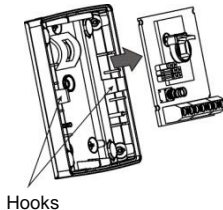


## 7 INSTALLATION PROCEDURE

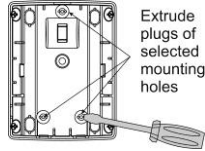
- 1) Remove cover



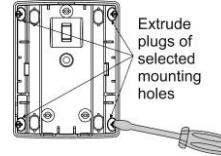
- 2) Remove PCB



- 3a) Installation on the wall



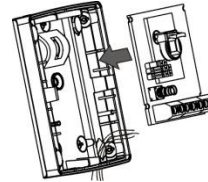
- 3b) Installation in the corner



### Detector base should be positioned strictly as per figure!

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

- 4) Install PCB on its place 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.

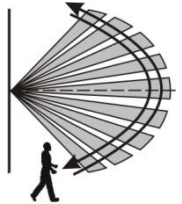


**TMP** – detector tampering control terminals;

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

## 9 TEST-PASS

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



Ind ⇒ ⇒

- 4) Close detector.
- 5) To detect sensitive zones carry out **TEST-pass** in the secured zone with the speed of **0.3** and **3 m/s**.  
 On detection (indicator is lighted for **2s**) one should stop, mark this position, then make step back and continue moving forward.  
 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 User Guide.