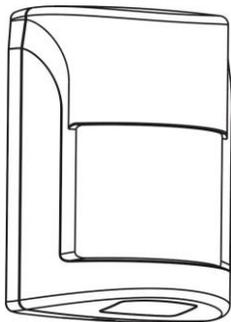




**«Astra-517 ver. P»  
Optic-Electronic PIR Motion  
Detector  
(Volumetric Lens)**



**User Guide**

**Manufacturer:**

**ZAO NTC TEKO**

420108, Kazan, Russia

Gafuri 71

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[export@teko.biz](mailto:export@teko.biz)

teko.biz

Made in Russia

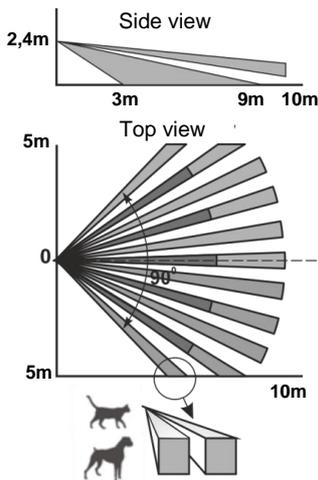
Rev. 517p-v1\_4\_instr\_en

**1 FUNCTION**

Detector is intended to detect unauthorized access into enclosed protected area and to generate alarm notification by opening of signaling relay contacts.

The detector is resistant to the movement of pets weighing up to 20 kg.

**2 DETECTION ZONE**



**3 DELIVERY SET**

Delivery set includes: dowel – 2 pcs., screw – 2 pcs., label – 2 pcs., user guide – 1 pcs.

**4 SPECIFICATION**

Range of detectable moving speed, m/sec .....from 0.3 to 3.0  
Power supply voltage, V ..... from 8 to 15  
Current consumption, mA, max ..... 15  
Overall dimensions, mm.....70 × 51 × 41

**Operation conditions**

Temperature range, °C..... from - 30 to + 50  
Relative air humidity, % ..... up to 98 at + 25 °C  
Without moisture condensation

**5 NOTIFICATION**

Notification	LED	Relay (TMP)
Boot mode	Flashes <b>1 time per 1 second</b> after turning on the power. Duration <b>60 sec</b>	for <b>60 sec</b>
Normal	Off	
Alarm	Lights up <b>1 time for 2.5 sec</b> when detecting a human movement in the detection zone	for <b>2,5 sec</b>
Failure	On	until failure elimination
Tampering	Off	TMP 
<p>«  » – relay closed,            «  » – relay open,            «TMP  » –Tamper circuit open</p>		

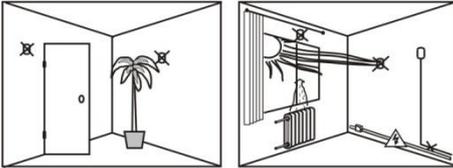
## 6 INSTALLATION PLACE

- 1) Recommended installation height is 2.2-2.4 m.
- 2) Install detector on bearing walls and carriers.
- 3) Alarm loop and power supply wires should be located far from power cables.

### To eliminate false alarm hazards

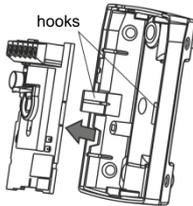
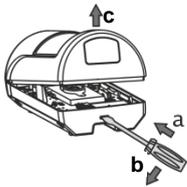
It is recommended to close all doors, air-vents, switch off fans, air-conditioners and other sources of intense air flows in the room during protection period.

### Not recommended installation places

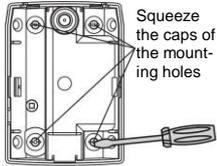


## 7 INSTALLATION

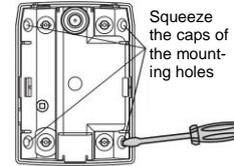
- 1) Remove cover
- 2) Remove PCB



### 3a) Installation on a wall



### 3b) Installation in a corner



**Orient detector base strictly according to the picture!**

- 4) Fix the base on the wall. Install PCB.
- 5) Connect the wires (see section 8)
- 6) Perform **TEST pass** (see section 9)

## 8 WIRING

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



GND +12V    Relay    TMP

**+12V, GND** – power supply terminals.

**RELAY** – terminals for detector connection to hardwired zone;

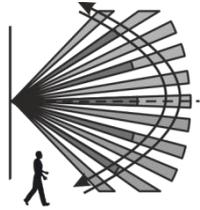
**TMP** – detector tampering control terminals;

## 9 TEST-PASS

- 1) Turn on detector power. LED indicator will start flashing for a maximum of **60 seconds**.

- 2) Perform a TEST pass across the protected area at a speed of 0.5 m/s to determine the sensitive zones. At the moment of detection (LED indicator will light up for **2.5 seconds**),

stop, mark this position, then go back one step and continue moving. Repeat the test pass in the opposite direction.



## 10 WARRANTY

Warranty period of operation - 5 years from the date of commissioning, but not more than 5 years 6 months from the date of manufacture, and subject to the requirements of the current operational documentation.