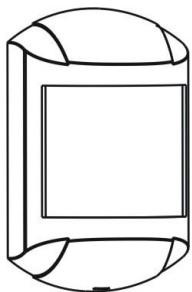




Astra-515 ver. A
Optic-Electronic PIR Motion
Detector
(Volumetric Lens)



User Guide

Manufacturer:
ZAO NTC TEKO
 420108 Kazan, Russia
 Gafuri 71
 +7 843 528-03-69
export@teko.biz
www.teko.biz

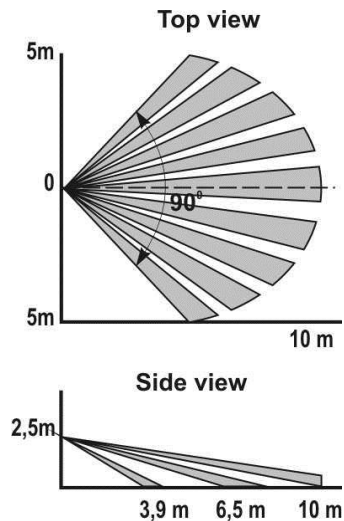
Made in Russia

Rev. 515-av1_6_instr_en

1 FUNCTION

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

2 DETECTION ZONE



3 SPECIFICATION

Range of detectable moving speed, m/secfrom 0.3 up to 3.0
 Power supply voltage, Vfrom 8 up to 15
 Current consumption, mA, max 15
 Overall dimensions, mm 86×54×41

Operating Conditions

Temperature range, °C from 0 to + 50
 Relative air humidity, % up to 95 at + 35 °C
 Without moisture condensation

4 DELIVERY SET

Delivery set includes: bracket - 1 pcs., label – 2 pcs.

5 MODES OF OPERATION

| | Plug name | Jumper position |
|----------------------|-----------|-----------------|
| High detectability | Sens | |
| Normal detectability | | |
| Indication OFF | Ind | |
| Indication ON | | |

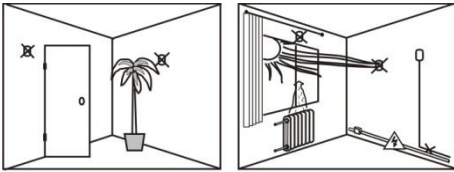
6 INSTALLATION PLACE

- 1) Recommended installation height is 2.4-2.5 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

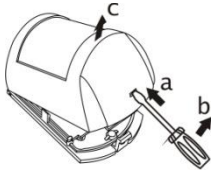
It is recommended to close all doors, air-vents, switch off fans, air-conditioners and other sources of intense air flows in the room during protection period.

Not recommended installation locations

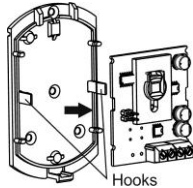


7 INSTALLATION PROCEDURE

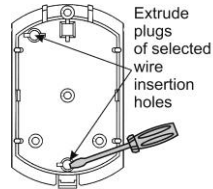
- 1) Remove cover



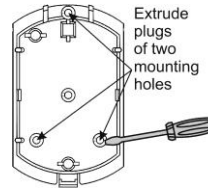
- 2) Remove PCB



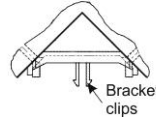
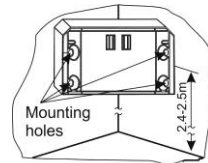
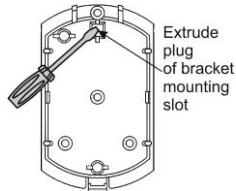
- 3) Select installation method 4) or 5)



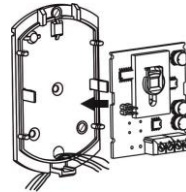
- 4) Installation on the wall



- 5) Installation in the corner using bracket



- 6) Insert PCB and perform wiring (see sec.8)



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

8 WIRING

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



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

9 TEST-PASS

- 1) Remove jumper from **Ind** plug. Install jumper on **Sens** plug.
- 2) Close detector.
- 3) Power detector ON. LED starts flash during **60 sec.**
- 4) To detect sensitive zones carry out **TEST-pass** in the secured zone with the speed of **0,3 m/sec.** Stop upon detection (indicator lights up for **2sec**), mark position, then make a 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 Operating Manual.