



Astra-3321

Wireless door opening magnetic contact detector



User Guide

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

Made in Russia



Rev. 3321-v4_5_instr_en

1 FUNCTION

The detector is intended for detecting opening or movement of structures made of magnetically non-conducting materials (aluminum, wooden, plastic, etc.), forming alarm notification and transmitting alarm signal to the **Security Hub** via radio.

The detector provides measurement and transmission via radio the residual capacity of the battery in **Mode 2** (see below). The transmission interval is 12 sec (jumper installed on **Rtst** plug) or 60 sec (jumper not installed on **Rtst** plug).

The detector provides connecting the Astra-361 water leakage detector or any other hardwired detectors with normally-opened contacts. Wire length not more than 3 m.

2 SPECIFICATION

Actuation distance, mm from 20 to 30
 Recovery distance, mm from 13 to 23
 Wireless coverage range, m 100
 Operating frequency range, MHz 433
 Power supply voltage, V from 2.3 to 3.0
 Overall dimensions, mm 109 × 34 × 27

Operating Conditions

Temperature range, °C from - 20 to + 50
 Relative air humidity, % up to 98 at + 40 °C
 without moisture condensation

3 DELIVERY SET

Delivery set includes: steering magnet – 1 pc., jumpers – 6 pcs. (installed), battery (CR123A, 3V) - 1 pc. (installed), screw – 4 pcs., mounting tape – 3 pcs. (installed), user guide – 1 pc.

4 MODES OF OPERATION

Setting operating mode of the detector and indication of notifications are possible within 10 minutes after battery insertion!

Mode	Plug	Jumper
Mode 2* (compatible with Security Hub) Mode 1	Rmod	
Test signal transmission period**	12 sec.* 60 sec.	Rtst
Frequency 1* (433,42 MHz) (compatible with Security Hub) Frequency 3 (434,42 MHz)	Lit	
External detectors input control	Yes No*	Ext
Control of external water leak detector Astra-361. Control of internal and external magnetic contacts*	Emod	
Internal magnetic contact control * Internal magnetic contact not controlled	Int	
* Factory setting. ** For Mode 2 only		

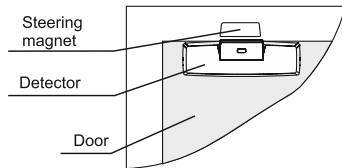
5 ADDING TO THE SYSTEM

- 1) When using the detector with factory settings (Security Hub compatible), start adding from step 3), if it is necessary to change the operation mode of the detector, remove the detector cover.
- 2) For operating with Security Hub set the **Frequency 1** and operating **Mode 2**.
- 3) Start registration from the mobile app Security Hub or desktop app. Registration starts for **45-60 sec.**
- 4) Activate the battery by **pulling out the protective strip** or re-install the battery.
In case of **unsuccessful adding**, remove the battery and repeat procedure. Before installing it on again, wait at least 20 sec. or briefly set the battery in reverse polarity.
- 5) Make sure that the **adding is successful** on the Security Hub mobile or desktop app.

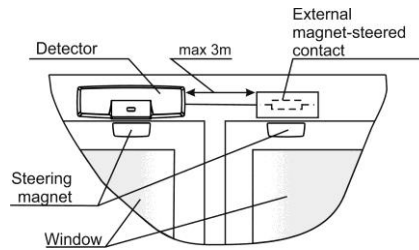
6 INSTALLATION PLACE

When the protected structure is closed (doors, windows, etc.), the distance between the control magnet and the detector should not exceed **5 mm**.

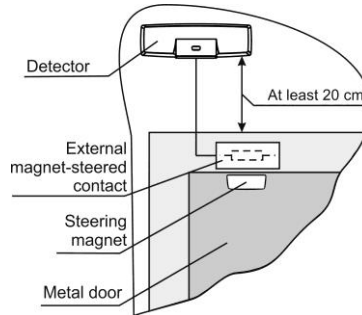
Installation on a door:



Installation on a window:

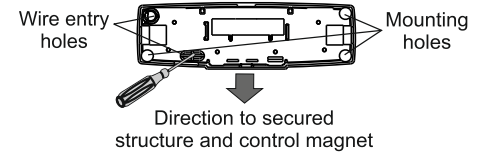


Installation on a metal door:



7 INSTALLATION PROCEDURE

- 1) Remove the cover if the installation is carried out using screws and / or you need to connect external detectors.
- 2) Remove the PCB by bending back the hook on the base.
- 3) Fix the detector and steering magnet to the selected installation location using the screws supplied.



- 4) Connect the wires to the **Zone, GND** terminals and install jumpers on the **Ext** or **Emod** plugs according to the selected operating mode.
- 5) Re-install the battery.
- 6) Place the PCB.
- 7) Close the cover of the detector until click.

8 WARRANTY

Operational warranty period: 5 years from the date of commissioning, but no more than 5 years 6 months from the date of manufacture and subject to current user guide requirements.