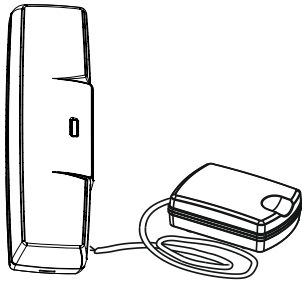




**Astra-361 ver. RF**  
**Wireless water leakage detector**



Transmitter      Water leakage detector

**User guide**

**Manufacturer:**  
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**Made in Russia**

rev. 361rk-v4\_0\_instr\_en

**1 FUNCTION**

The detector is designed to detect water leakage and transmit a notification to the controller **Security Hub**.

The detector unable to detect distilled water leaks.

When the water level falls, the detector will self-recover.

The detector consists of a wireless transmitter and a hardwired water leakage detector.

The power supply of the detector is carried out from the 3V CR123A battery.

The detector provides measurement and transmission of the value of the residual capacity of the electronic device, as well as indication of the battery discharge.

**2 SPECIFICATIONS**

- Wireless coverage range (line-of-sight), m.....100
- Operating frequency range, MHz .....433
- Power supply voltage, V.....from 2.3 to 3.0
- Average battery lifetime, years.....up to 5
- Overall dimensions, mm, not more:
  - Wireless transmitter ..... 109×34×27
  - Hardwired water leakage detector....64×46×22
- Max detector wire length, m, not more ..... 3

**Operating Conditions**

- Temperature range, °C:
  - Wireless transmitter .....from -20 to + 50
  - Water leakage detector .....from 0 to + 50

**3 DELIVERY SET**

Delivery set includes: wireless transmitter – 1 pc., water leakage detector – 1 pc., battery (CR123A, 3 V) – 1 pc. (installed), jumper – 4 pcs. (installed), screw – 2 pcs., dowel – 2 pcs., user guide – 1 copy.

**4 OPERATION MODES**

Operation mode	Plug	Jumper
Mode 2 (compatible with the Security Hub) * Mode 1	Rmod	
Test signal transmission interval **	Rtst	
		12 sec* 60 sec
Lit «1»* Lit «3»	Lit	
Not used	Ext	
<b>Water leakage detector compatible</b>	Emod	
Not used	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 (see p. 6).

2) Using jumpers, set the required operating mode and operating frequency.

3) Start registration procedure on the Security Hub mobile or desktop app. That procedure 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.

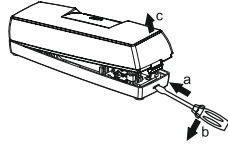
## 5 INSTALLATION PLACE

Place the detector in the room as follows: Mount the **transmitter** on the wall (see p. 6) so that the **water leakage detector**, with a cable length of no more than 3 m, is located on the floor in the lowest place of the room where it is necessary to control water leakage.

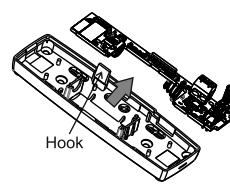
**Water leakage detector** is placed with contact pads down.

## 6 INSTALLATION PROCEDURE

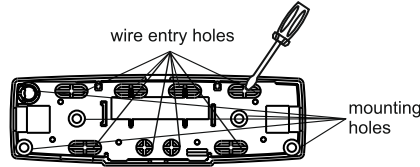
1) Remove **transmitter cover**



2) Remove **transmitter PCB with battery**



3) Break out the plugs of the selected holes for mounting and wire entry in the base of the **transmitter**



**ATTENTION! To safely break out the plugs, fix the base of the transmitter on a hard surface!**

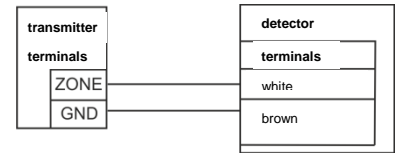
4) Pass the **water leakage detector** wires through the selected mounting hole in the base of the **transmitter**.

5) Make a markup at the selected installation location according to the attached template.

Fix the **transmitter** base.

6) Install **transmitter PCB**.

7) Connect **water leakage detector** wires to the terminals on the **transmitters PCB**:



8) Insert the battery in **transmitter**.

9) Close **transmitter** cover.

10) **Place water leakage detector on the floor** contact pads down (see p. 5), using assembly tape on the base.

## 7 TEST

1) Close contact pads.

2) Check alarm event on the controller's LED in the mobile or desktop App.

## 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.