

# **AXD-200**

## WIRELESS UNIVERSAL DETECTOR

**AXD–200** is a multifunction device operating as part of the **ABAX 2/ABAX** two-way wireless system. It meets the EN 50131 Grade 2 requirements.

The device can work in one of 7 modes as a magnetic contact, two-channel magnetic, magnetic with roller shutter input, shock and magnetic, reorientation, temperature or flood detector. To change the mode, you must knock on the detector enclosure appropriately. This procedure is performed before enrolling the device into the controller.

#### **Description of operating modes**

 $\label{lem:magnetic magnetic with roller} Magnetic \ ontact \ / \ two-channel \ magnetic \ / \ magnetic \ with \ roller \ shutter \ input$ 

- detection of opening of a door, window, etc.
- input for control of an NC type wire detector
- additional digital channel for control of a wired detector (two-channel magnetic, magnetic with roller shutter input)
- input for control of a wired roller shutter detector (detector with roller shutter input)

Shock and magnetic contact detector

- detection of shocks and vibrations associated with attempts to force a door or window
- detection of opening of a door, window, etc.
- · adjustment of detection sensitivity

### Reorientation detector

- detecting a change in position of an object
- individual protection of valuable items

#### Temperature detector

- $\bullet$  temperature measurement in the range from –10  $^{\circ}\text{C}$  to + 55  $^{\circ}\text{C}$
- two programmable temperature thresholds (upper and lower)

### Water flood detector

- detection of water leakage
- input for connecting an external flood probe FPX-1 (white), FPX-1 BR (brown) or FPX-1 DG (dark gray) the probe available separately

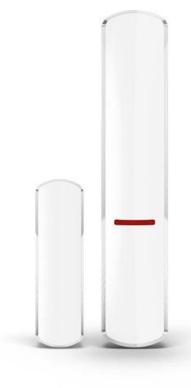
**AXD–200** is characterized by low energy consumption. It is powered by a CR123A 3 V lithium battery, whose condition is constantly monitored. The "ECO" option (available in **ABAX 2** only) extends the device operation time even fourfold.

The built-in LED makes easier checking the device in test mode and also indicates the subsequent stages of the detector type selection process. Its configuration and firmware upgrade can be carried out remotely. Radio communication in the **ABAX 2** system is AES encrypted.

The product is provided with tamper protection against opening of the enclosure and removal from the mount.

The detector is available in white (AXD-200), brown (AXD-200 BR) and dark gray (AXD-200 DG).

• certificate of compliance with the EN 50131 requirements for Grade 2





- option to choose one of the available detector operating modes:
  - two-channel magnetic
  - o magnetic with roller shutter input
  - shock and magnetic
  - reorientation
  - temperature
  - o flood
- compatible with:
  - ABAX 2 system controllers (ACU-220and ACU-280) and ARU-200 radio signal repeater
  - ABAX system controllers (ACU-120 and ACU-270), INTEGRA 128-WRL control panel and ARU-100 radio signal repeater
- range of radio communication in the open area:
  - o in ABAX 2: up to 2000 m (with ACU-220) / up to 1200 m (with ACU-280)
  - o in ABAX: up to 500 m
- remote configuration and updating of the firmware
- built-in temperature sensor (temperature measurement in the range from -10°C to +55°C)
- LED indicator of violations in test mode
- low energy consumption and battery status check
- "ECO" option for extending battery life (in ABAX 2 only)
- power supply: CR123A 3 V battery
- tamper protection against opening of the enclosure / removal from the mount



## TECHNICAL DATA

| up to 2 -10°C+55°C 7 mA 59 g 93±3% 868,0 ÷ 868,6 MHz CR123A 3V 20 μA II 20 x 102 x 23 mm 130-4, EN 50131-5-6, EN 50131-5-3 |
|--|
| 7 mA<br>59 g<br>93±3%<br>868,0 ÷ 868,6 MHz<br>CR123A 3V<br>20 μA<br>II<br>20 x 102 x 23 mm                                 |
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| CR123A3V<br>20 μA<br>II<br>20 x 102 x 23 mm  |
| 20 μA<br>II<br>20 x 102 x 23 mm  |
| II<br>20 x 102 x 23 mm   |
| 20 x 102 x 23 mm   |
|  |
| 130-4, EN 50130-5, EN 50131-1, EN 50131-2-6, EN 50131-5-3  |
|  |
| Grade 2  |
| ±1°C   |
| up to 500 m  |
| up to 500 m  |
| up to 2000 m   |
| up to 1200 m   |
| -10°C+55°C   |
| 15 x 52 x 6 mm   |
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| ø10 x 28 mm  |
| 240 ms   |
| up to 3 m  |
| 20 mm  |
| 20 mm  |
|  |