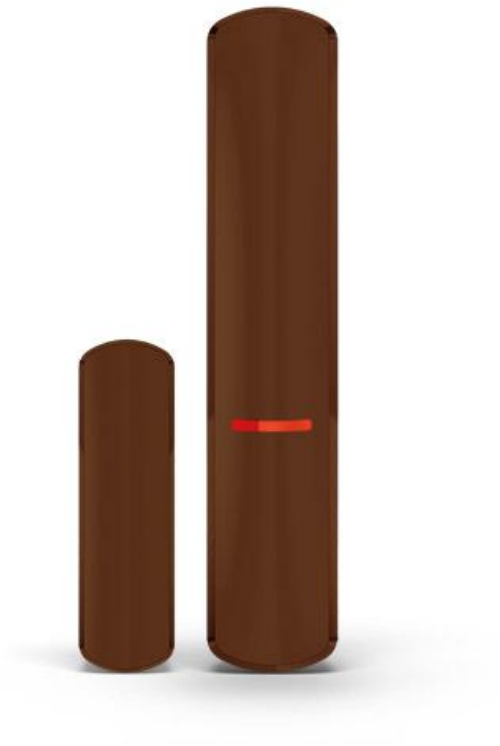
AXD-200 BR

WIRELESS MULTIPURPOSE 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

Magnetic contact / 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

- temperature measurement in the range from –10°C to + 55°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

The actual appearance of the products may differ from the presented images. Product descriptions are provided in the web service for information purposes only.

- option to choose one of the available detector operating modes:
  - two–channel magnetic
  - magnetic with roller shutter input
  - shock and magnetic
  - reorientation
  - temperature
  - flood
- compatible with:
  - **ABAX 2** system controllers (**ACU–220** and **ACU–280**) and **ARU–200** radio signal repeater
  - **ABAX** system controllers (**ACU–120**, **ACU–270** and older **ACU–100**, **ACU–250**), **INTEGRA 128–WRL** control panel and **ARU–100** radio signal repeater
- range of radio communication in the open area:
  - in **ABAX 2**: up to 2000 m (with **ACU–220**) / up to 1200 m (with **ACU–280**)
  - 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

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TECHNICAL DATA

Battery working time (in years)	up to 2
Operating temperature range	-10°C...+55°C
Max. current consumption	7 mA
Weight	59 g
Maximum humidity	93±3%
Operating frequency band	868,0 ÷ 868,6 MHz
Battery	CR123A 3V
Standby current consumption	20 µA
Environmental class according to EN50130-5	II
Detector enclosure dimensions	20 x 102 x 23 mm
Complied with standards	EN 50130-4, EN 50130-5, EN 50131-1, EN 50131-2-6, EN 50131-5-3
Security grade according to EN50131-2-6	Grade 2
Temperature measurement accuracy	±1°C
Radio communication range (in open area) for ACU-120	up to 500 m
Radio communication range (in open area) for ACU-270	up to 500 m
Radio communication range (in open area) for ACU-220	up to 2000 m
Radio communication range (in open area) for ACU-280	up to 1200 m
Temperature measurement range	-10°C...+55°C
Magnet enclosure dimensions - surface mounting	15 x 52 x 6 mm
Magnet pad dimensions - surface mounting	15 x 52 x 6 mm
Magnet pad dimensions - recessed mounting	ø10 x 28 mm
NC input sensitivity	240 ms
Shock detection range (depending on the type of mounting surface)	up to 3 m
Maximum gap - surface magnet (magnetic contact)	20 mm
Maximum gap - recessed magnet (magnetic contact)	18 mm

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