

ASD-200

WIRELESS SMOKE AND HEAT DETECTOR

The device detects early signs of fire. It works as part of the **ABAX 2/ABAX** two-way wireless system. In **ABAX 2**, radio communication is AES encrypted.

The detector is equipped with a photoelectric visible smoke sensor placed in a special measuring chamber, whose unique design ensures high sensitivity of the detector. The precision Hexamesh stainless steel filter prevents particles of dirt and small insects from entering the chamber. The **ASD-200** also has a thermal sensor that reacts to exceeding the threshold of or a sudden increase in temperature. The alarm is signaled acoustically and optically. In addition, the detector controls the condition of the optical chamber: if it becomes clogged with dust, the LED indicates that maintenance is required.

ASD-200 is characterized by low energy consumption. This model is powered by a CR123A 3 V battery, whose status is monitored: voltage drop below a defined level is indicated visually and audibly. Additionally, the "ECO" option (available in **ABAX 2** only) extends the device operation time even fourfold without having to replace the battery.

The device has tamper protection against opening of the enclosure.

- photoelectric sensor of visible smoke
- integrated thermal sensor
- acoustic and optical alarm signaling
- compatible with:
 - ABAX 2 system controllers (**ACU-220** and **ACU-280**) and **ARU-200** radio signal repeater
 - ABAX system controllers (**ACU-120**, **ACU-270**, **ACU-250** and **ACU-100** (min. version 4.04), **INTEGRA 128-WRL** control panel and **ARU-100** radio signal repeater – the required version of the device firmware should be checked in its description on the website
- range of radio communication in the open area:
 - in ABAX 2: up to 2000 m (with **ACU-220**) / up to 1600 m (with **ACU-280**)
 - in ABAX: up to 500 m
- remote firmware update
- unique Swirl chamber for quicker smoke detection
- Hexamesh precision stainless steel filter
- testing function
- chamber soiling indication
- 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



TECHNICAL DATA

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| Battery working time (in years) | up to 2 |
| Enclosure dimensions | ø108 x 61 mm |
| Operating temperature range | 0°C...+55°C |
| Max. current consumption | 50 mA |
| Weight | 172 g |
| Maximum humidity | 93±3% |
| Operating frequency band | 868,0 ÷ 868,6 MHz |
| Battery | CR123A 3V |
| Standby current consumption | 30 µA |
| 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 | 0°C...+55°C |
| Static response temperature | 54°C |
| Low battery notification voltage | 2,75 V |