

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** and **ACU-270**), **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 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



TECHNISCHE DATEN

Lebensdauer der Batterie (in Jahren)	bis 2
Abmessungen des Gehäuses	ø108 x 54 mm
Betriebstemperatur	0°C...55°C
Max. Stromaufnahme	50 mA
Gewicht	170 g
Max. Luftfeuchtigkeit	93±3%
Betriebsfrequenzband	868,0 ÷ 868,6 MHz
Batterie	CR123A 3V
Ruhestromaufnahme	30 µA
Funkreichweite (im Freifeld) für ACU-120	bis 500 m
Funkreichweite (im Freifeld) für ACU-270	bis 500 m
Funkreichweite (im Freifeld) für ACU-220	bis 2000 m
Funkreichweite (im Freifeld) für ACU-280	bis 1200 m
Statische Temperatur für Alarmmeldung	54°C