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

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

www.satel.eu

TECHNICAL DATA

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