

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 <code>ASD-200</code> 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.

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

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:
 - $\circ\,$ in ABAX 2: up to 2000 m (with $ACU\!-\!220)\,/$ up to 1600 m (with $ACU\!-\!280)$
 - $\circ~$ 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

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