ASD-250

WIRELESS SMOKE DETECTOR

The device detects early signs of fire. **ASD–250** can operate in stand–alone mode, in accordance with the guidelines of EN 14604 or as part of the **ABAX 2** system. It can then signal the alarm status from other detectors enrolled in to the same wireless system controller. Communication in the **ABAX 2** system 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. The precision Hexamesh stainless steel filter prevents particles of dirt and small insects from entering the chamber. 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–250 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 extends the device operation time even fourfold without having to replace the battery.

The device has tamper protection against opening of the enclosure.

- possibility of certified stand–alone operation according to EN 14604
- compatible with*:
  - **ACU–220** and **ACU–280** system controllers
  - **BE WAVE Hybrid** control panels
  - **BE WAVE Smart HUB** controllers
  - **ARU–200** radio signal repeater
- option to signal alarms from other **ASD–250** detectors (within one **ACU–220** or **ACU–280** controller)
- range of radio communication in the open area – up to 2000 m*
- photoelectric sensor of visible smoke
- acoustic and optical alarm signalling
- 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
- power supply: CR123A 3 V battery
- tamper protection against opening of the enclosure

**detailed data available in the device manual*

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

TECHNICAL DATA

Operating temperature range	0°C...+55°C
Max. current consumption	120 mA
Weight	172 g
Maximum humidity	93±3%
Operating frequency band	868,0 ÷ 868,6 MHz
Battery	CR123A 3V
Dimensions	ø108 x 54 mm
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
Battery working time (ABAX 2 / ABAX) - in years	up to 2
Battery life (autonomous operation) - in years	up to 4
Standby mode current consumption (ABAX 2 / ABAX)	90 µA
Standby mode current consumption (autonomous operation)	15 µA
Low battery notification voltage	2,75 V

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