



JA-151ST-A Wireless combined smoke and heat detector with built-in siren

Used to detect a fire risk in the interior of residential or commercial buildings. It comprises a siren that indicates a fire alarm both from the entire detector and from another fire detector in the system.

- [Declaration of conformity - JA-151ST-A \(PDF 316.25 kB\)](#)
- [Declaration of performance - JA-151ST-A \(PDF 194.24 kB\)](#)

Description

The detector communicates wirelessly and it is supplied by batteries (3x 1.5 V AA).

If the detector is operated without being assigned to a control panel or if communication with the control panel has been lost, it works in an autonomous mode (EN 14604).

The detector indicates a dangerous situation optically with an integrated light and a siren. It is able to acoustically report:

- a fire alarm detected by the detector itself
- a fire alarm from the system (alarm triggered by another fire detector)
- another type of alarm (e.g. an intruder alarm)
- for alarms reported by the system, sections can be set for which the alarm will be indicated

The product contains two separate detectors - an optical smoke detector and a temperature detector. The **optical smoke detector** uses the diffused light principle. It is very sensitive to particles that are present in thick smoke. It is less sensitive to small particles produced by the burning of liquids such as e.g. alcohol. Therefore, a **heat detector** is integrated, which responds better to a fire developing heat quickly with a small amount of smoke.

The fire detectors should be installed by a trained installer with a valid Jablotron certificate. The detector is not designed for installation in industrial environments.

Technical specifications

Power

3 x Alkaline battery type LR6 (AA) 1.5 V/2.4 Ah
3 x Lithium battery type FR6 (AA) 1.5 V/3.0 Ah
Please note: Batteries are not included

Typical lifetime

≥ 3 years

Communication band

868.1 MHz, Jablotron protocol

Effective Radiated Power (ERP)

10 mW

Communication range

approx. 300 m (open area)

Dimensions

diameter 126 mm, height 50 mm

Weight	150 g
Smoke detection	optical light scattering
Smoke detector sensitivity	$m = 0.11 \div 0.13$ dB/m pursuant to EN 14604:2005, EN 54-7
Heat detection	class A1 according to EN 54-5
Alarm temperature	+60 °C to +65 °C
Operating temperature range	-10 °C to +70 °C
Complies with	EN 54-5, EN-54-7, EN-25
Also complies with	ETSI EN 300 220-2, EN 50130-4, EN 55022 and EN 60950-1
Can be operated according to	ERC REC 70-03
Recommended screw	2x \varnothing 3.5 x 40 mm (countersunk head)