



JA-111ST Bus combined smoke and heat detector with built-in siren

It is used to detect fire hazards in the interior of residential or commercial buildings. The product is not designed to be installed in industrial premises. The detector is powered via the control panel bus (EN 54-7; EN 54-5).

- [Declaration of conformity - JA-111ST \(PDF 318.21 kB\)](#)
- [Declaration of performance - JA-111ST \(PDF 192.32 kB\)](#)

Description

When the detector is used with inserted batteries (3x 1.5V AA) from which it can be powered, it can continue operating as a stand-alone detector when the 12 V power supply is disconnected (EN 14604).

The detector indicates fire hazard using the built-in LED indicator and acoustic signalling.

The JA-111ST consists of two independent detectors – an optical smoke detector and a heat detector. The optical smoke detector works on the principle of scattered light. It is very sensitive to large dust particles which are present in dense smoke. It is less sensitive to smaller particles generated by the combustion of liquids such as alcohol. That is why the fire detector also contains a built-in heat detector which has a slower reaction but is much better at detecting fire which generates only a small amount of smoke.

Technical specifications

Power	9 – 15 V DC/3.5 mA (150 mA during an alarm) 3 pcs of alkaline batteries type LR6 (AA) 1.5 V Please note: Batteries are not included
Typical lifetime	approx. 3 years
Smoke detection	optical light scattering
Smoke detector sensitivity	$m = 0,11 \div 0,13 \text{ dB/m}$ pursuant to EN 14604, 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 +65 °C
Dimensions, weight	diameter 126 mm, height 52 mm, 150 g
Conformity	EN 50130-4, EN 55022

