Bus combined smoke and heat detector with built-in siren

Code: JA-111ST-A



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

Product description:

If the detector’s power is supplied from the control panel bus, it works as a system device (EN 54-7; EN 54-5).

If the detector is supplied by inserted batteries (3x 1.5 V AA), in the case of a loss of the 12V supply voltage or communication with the control panel, it continues working as an autonomous unit (EN 14604).

The detector indicates a dangerous situation optically with an integrated light and with 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 information:

Power	12 V DC (9 – 15 V) 3 alkaline batteries type LR6 (AA) 1.5 V; 2.4 Ah 3 lithium batteries type FR6 (AA) 1.5 V; 3 Ah Please note: Batteries are not included
Current consumption:	
- in standby mode	5 mA
- for cable choice	150 mA
- Low Battery	3.5 V
Typical battery lifetime	approx. 3 years
Smoke detection	optical light scattering

Smoke detector sensitivity	m = 0.11 ÷ 0.13 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 +70 °C
Dimensions, weight	diameter 126 mm, height 52 mm, 150 g
Conformity	EN 14604, EN 54-7, EN 54-5, EN 50130-4, EN 55022
Recommended screw	2x o 3.5 x 40 mm (countersunk head)