



## SD-503ST Stand-alone combined smoke and heat detector with built-in siren

The SD-503ST is used to **detect fire hazards in the interior of residential or commercial buildings**. The detector can be installed in mobile homes or caravans. The product is not designed to be installed in industrial premises.

- [Declaration of conformity - SD-503ST \(PDF 318.23 kB\)](#)
- [Declaration of performance - SD-503ST \(PDF 192.45 kB\)](#)

### Description

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

The SD-503ST 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**

3 x alkaline batteries AA (LR6) 1.5 V  
 Please note: Batteries are not included

**Typical battery lifetime**

approx. 3 years

**Smoke detection**

optical light scattering

**Smoke detector sensitivity**

m = 0.11 - 0.13 dB/m pursuant to EN 14604:2005

**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 50130-4, EN 55022

**Recommended screw**

2x ø 3,5 x 40 mm (countersunk head)