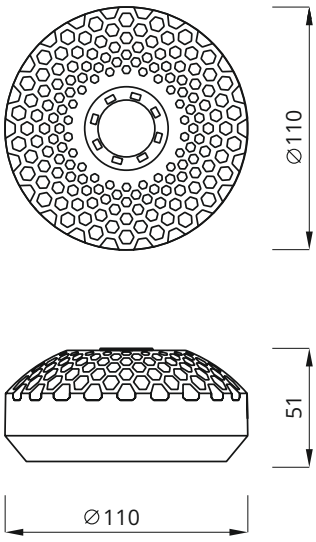
FIRE DETECTORS

SMOKE DETECTOR S

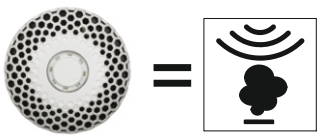
The smoke detector is intended for detecting fire in its early phase. The detector has an optic, scattering smoke sensor. The application of such type of a sensor allows to detect fire quick and with certainty.
The detector operates within the AWEX fire alarm system. The element can be installed on the detection loops or stub detection circuits.

The smoke detection takes place in a detection chamber equipped with photoelectric diodes. Smoke goes to the chamber during fire. The particles of smoke reflect the light emitted by light emitting diodes which causes that an IR diode receives the signal and transmits it to a microprocessor. Then, it recognises the type of alarm and transmits it to the detection circuit, and to the control unit.

Dimensions (mm):



S detector operation mode



Characteristics of the smoke detector:

- The level of sensitivity comply with the EN 54 standard
- Recognition of the state of soiling
- Regulation of alarm threshold which compensates theinfluenceoftheenvironment
- Indication of an alarm by means of the LED diode
- Additional LED diodes for the testing state
- External status indicator
- The possibility of disconnection of particular detectors
- Integrated short-circuit isolator
- Acasingwithalowprofile
- Operation in the addressable systems

TECHNICAL DATA	
Name	Smoke detector S
Smoke detection	optical, scattering
Usefulness for test fires detecting	According to 54-7
Supply voltage	24 V DC ± 25%
Quiescent current	<160 μA
Alarm current	<550 μA
Ambient temperature	from -25°C to 55°C
IP rating	IP 20
Acceptable relative humidity	95% at the temperature of 35°C without condensation
Visual signalling	LED diodes, red, green
Dimensions	Ø110x50 mm
Detector colour	White
Weight	200g
Product code	FSD0000002