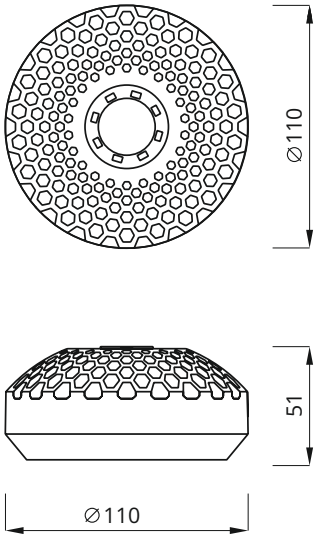
FIRE DETECTORS

SMOKE DETECTOR WITH THE VISUAL SIGNALLING DEVICE SF

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.
Additionally, the detector has the flashing visual signalling device built-in due to which the detector fire alarm is visible from a large distance. The detector operates within the AWEX fire alarm system. The element can be installed on the detection loops or stub detection circuits.

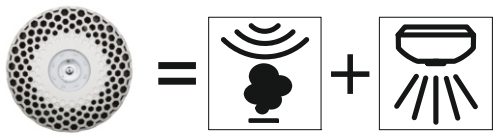
The smoke detection takes place in a detection chamber equipped with photoelectric diodes. Smoke goes to the chamber during fire. The particles of smoke reflect the light emitted by light emitting diodes which causes that an IR diode receives the signal and transmits it to a microprocessor. Then, it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

Dimensions (mm):



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 the influence of the environment
- Indication of an alarm by means of the LED diode
- Additional LED diodes for the testing state
- External status indicator
- Integrated short-circuit isolator
- A casing with a low profile
- Operation in the addressable systems

TECHNICAL DATA	
Name	Smoke detector with the visual signalling device SF
Usefulness for test fires detecting	According to EN 54-7
Smoke detection	Optical, scattering
Supply voltage	24 V DC ± 25%
Quiescent current	<160 µA
Alarm current	<2 mA
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	Green LED diode, red FLASH LED diode
Dimensions	Ø110 x 51 mm
Weight	200 g
Detector colour	white
Product code	FSD0000005

SF detector operation mode