FIRE DETECTORS

HEAT DETECTOR WITH THE VISUAL SIGNALLIG DEVICE TF

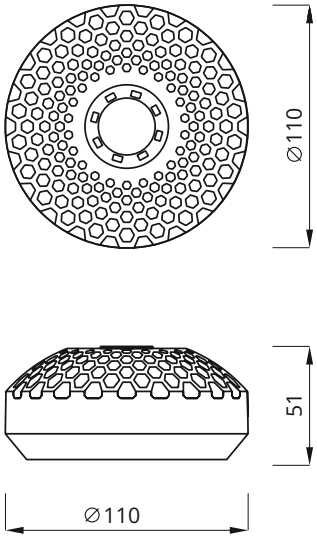
The heat detector is intended for detecting fires in their early phase. The detector has a thermistor heat detection system. The application of such type of a sensor allows to detect fires quick and with certainty.
The detector operates within the AWEX fire alarm system. The element can be installed on the loop addressable supervisory lines and on the side addressable line. Additionally, the detector has the flashing visual signalling device built-in due to which the detector fire alarm is visible from a large distance.

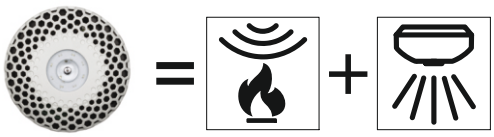
The heat detection takes place by means of 4-thermistor temperature measurement system. A fire alarm is generated when temperature limit is achieved, or in case of quick increase of temperature. Then, it recognises the type of alarm and transmits it to the detection circuits, and to the control unit.

Characteristics of the heat detector:

- Sensitivity degree and the temperature class comply with EN 54.
- 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

Dimensions (mm):



TECHNICAL DATA	
Name	Heat detector with the visual signalling device TF
Heat detector class	A1R
Heat detection	Overload, differential
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	FSD0000004

TF detector operation mode