

Overview

The fire detector is designed for early warning of a fire condition upon reaching a rate of rise of the temperature in the protected premises is reached. The principle of functioning of the fire detector is based on the ohmic resistance alteration in the thermistor as a result of the ambient temperature change. LF-F50R is fitted on a 50 series base.

The fire detector consists of a printed circuit board and a chamber with thermistor, fixed in a plastic body.

Both LED indicators allow range of visibility 360° and provide information for the status.



Technical Data

Nominal operating voltage	24V DC
Minimum operating voltage	10V DC
Maximum operating voltage	30V DC
Current consumption in Standby mode	80µA/22.5V DC
Current consumption in Alarm mode	8mA/10V DC; 25mA/30V DC
Temperature category	A2R (complies with EN54-5:2017 + A1:2018)
Protected area	circle with diameter 10m (complies with EN54- 4)
Height of mounting	up to 8m (complies with EN54-14)
Output in Alarm condition (RI/KL terminal)	for (RI) Remote Indicator
Degree of protection	IP43 (not verified by UL)
Operational temperature range	minus 10°C - plus 50°C
Relative humidity resistance	(93±3) % at 40°C
Dimensions, base included	Ø100mm, h=47mm
Weight, base LF-DB50 included	0.100kg
Type of the connecting line to the base	2-wire, a single-core or multi-core insulated wire
Cross section of the connecting wire	(0.8-1.5) mm ²

Wiring Details

