Heat Fire Detector VIT20

The heat fire detector VIT20 provides a reliable early warning of a fire condition upon reaching a rate of rise of the temperature or fixed temperature threshold in the protected premise.

The temperature class is in compliance with the European Standard EN54-5.

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Features

The fire detector provides a reliable early warning of a fire condition upon reaching a rate of rise of the temperature or fixed temperature threshold in the protected premise. The temperature class is in compliance with the European Standard EN54-5 and is programmable by the fire control panel VIT01:
– A1R, A2R, BR - for rate of rise heat fire detector. Activated upon reaching a rate of rise of the temperature or fixed temperature.
– A1S, A2S, BS - for maximum heat fire detector. Activated upon reaching only a fixed temperature.

The principal of functioning of its thermal part is based on the ohmic resistance alteration in the thermistors as a result of the ambient temperature change. The fire detector consists of a printed circuit board and a chamber, containing a thermo sensitive element, mounted into a plastic box.

The fire detector is also equipped with a micro key, providing control over the removal of the detector from the base and the battery holder. The two LED indicators allow 3600 visibility and provide information about the operating modes of the detector

In premises, where there is other devices operating in the frequency range of 2.4GHz, it is necessary to scan and detect the channel of operation of these devices. This ensures that the Fire Alarm system we use will occupy a channel that will be shared only by its devices - in accordance with the European standard EN54-25.

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Technical data

Supply voltage:
– (3.2-3.6) V DC

Back-up power supply:
– (3.0-3.2)V DC

Current consumption in transmitting:
– 45 mA
Current consumption in receiving:
– 55 mA
Average consumption in "Duty" mode:
– 80 µA

Response time: 30 sec.

Temperature class: programmable – A1R, A2R
in compliance with EN54-5:2000

Protected area: circle with diameter up to 8 m
Height for installation: up to 3.5 m (according to EN54)
Degree of protection: IP40
Operating temperature range: -10°C to +55°C
Relative humidity resistance (no condensation):
≤ 95%
Overall dimensions, including the base:
Ø 106 mm, h 55 mm
Weight (including the base and the battery):
0.150 kg