Wireless Combined Fire Detector VIT60

The fire detector VIT60 provides a reliable early warning of a fire condition, responding to fixed threshold smoke concentration or rate of rise of the temperature, or fixed temperature threshold detected in the protected premises.

It combines the advantages of a type VIT30 and a type VIT20 and it is an attractive option due to decreased expenses for supply and installation.

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Features

The temperature class (A1R, A2R) and the smoke sensitivity of the VIT60 (low, middle or high) are programmable by the fire control panel VIT01 and they are in accordance with the European standard EN 54-5, EN 54-7 and EN 54-25. 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 principal of the optical chamber operation, is based on the dispersion of infrared rays from the smoke particles, trapped in the optical chamber.

In premises with 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.

Technical data

Supply voltage:
– (3.2-3.6)V DC

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

Back-up power supply:
– (3.0-3.2)V DC

Response time: 30 sec.
Degree of protection: IP40

Temperature class: programmable – A1R or A2R
in compliance with EN54-5:2000
Sensitivity: average (middle) or 20% higher (high)
(according to EN 54-7) or 20% lower (low)
Protected area: circle with diameter up to 8 m
Height for installation: up to 3.5 m
(according to EN54)

Operating temperature range: -10°C to +55°C
Relative humidity resistance (no condensation):
≤ 95%
Overall dimensions, including the base:
Ø 100 mm, h 52 mm
Weight (including the base and the battery):
0.125 kg

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