

Wireless Optical-Smoke Fire Detector VIT30



The wireless fire detector VIT30 provides a reliable early warning of a fire condition, responding to fixed threshold smoke concentration detected in the protected premises.

The smoke sensitivity (low, middle or high) is programmable by the fire control panel VIT01.

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Features

The construction of the optic chamber and the new technology used in the manufacturing of the screen provides high level protection against entering dust particles and insects and working under strong airflow. The principal of the optical chamber operation is based on the dispersion of infrared rays from the smoke particles trapped in the optical chamber. Communication between the VIT30 and the other VIT components is based on high frequency radio emissions.

VIT30 is in accordance with the European standard EN54-7 and EN54-25.

The fire detector consists of a printed board and an optical chamber and it's mounted into a plastic box. The fire detector is also equipped with 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 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

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 μ A

Response time: 30 sec.

Degree of protection: IP40

Sensitivity programmable: 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 47 mm

Weight (including the base and the battery):

0.125 kg



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