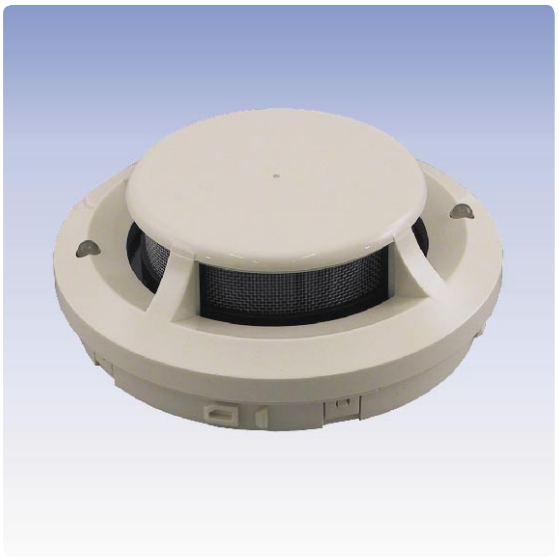
Optical Smoke Detector
ND2251EM



- **ADM loop technology with System Sensor/200 protocol**
- **Optional connection of remote indicator**
- **Constant response sensitivity**
- **Extremely flat design**
- **Function testable with magnet**

Description

The addressable Optical Smoke Detector ND2251EM uses the scattered light principle, and was developed for the detection of smoke particles in a wide range of applications. The modern design of the sensing chamber allows to reliably evaluate the characteristics of fire.

The proven ADM loop technology with System Sensor/200 protocol establishes a permanent communication between the fire detection control panel and the detector. That ensures a periodical function testing of the detector. In the control panel all types of fires are detected by continuously comparing fire patterns.

The influence of contamination on the optical measurement system is compensated for by using intelligent evaluation algorithms. With that, the response sensitivity of the detector is kept constant for a long time – a further effective step to avoid false alarms.

The two LEDs with 360° visibility indicate the activated condition of the detector. The detector address is selected with two decadic rotary switches, thus allowing to change the detector without additional tools.

A detector function test can be conveniently conducted using a magnet. The detector can be attached to various bases and it can be protected against theft.

Specifications

Operating voltage	Supply through loop voltage
Current consumption	max. 200µA (quiescent)
Ambient temperature	-20°C to +60°C
Relative humidity	10 – 93% (no condensation)
Dimensions ø × H	102 × 45 (mm)
Colour	cream
Weight	102g
Approvals	VdS G200052
Order number	241010
Order name	Optical Smoke Detector/Anal./200/SS ND2251EM

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