

Ionisation Smoke Detector

AI-58000-500

- **ADM loop technology with Apollo/Discovery protocol**
- **Sensitivity selectable in 5 steps**
- **Optional connection of remote indicator**
- **Constant response sensitivity**
- **Sealed electronics**



Description

The Ionisation Smoke Detector AI-58000-500 was developed for the safe detection of a wide range of smoke aerosols. The modern design of the ionisation chamber allows to reliably evaluate the characteristics of fire. The dual chamber principle with measurement and reference chamber ensures the automatic compensation of environmental impact.

The response sensitivity of the detector can be adjusted in 5 steps, via the fire detection control panel.

The proven ADM loop technology with Apollo/Discovery 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 of the 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 by means of a code card in the detector base. Therefore the detector can be changed without additional tools.

The detector can be attached to various bases and it can be protected against theft.



Specifications

Operating voltage	Supply through loop voltage
Current consumption	typ. 500µA (quiescent)
Ambient temperature	-20°C to +60°C (no condensation or icing)
Relative humidity	0 – 95% (no condensation)
Radioactive compound	Am241, 0.9µCi (33.3kBq)
Dimensions ø × H	100 × 42 (mm)
Colour	white
Weight	105g
Approvals	VdS G200073
Order number	240026
Order name	Ionisation Smoke Detector/Anal./Disc./Apo AI-58000-500



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