Optical Smoke Detector
AO-55000-620

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

Description

The addressable Optical Smoke Detector AO-55000-620 uses the scattered light principle, and was developed for the detection of smoke particles in a wide range of fire detection applications. The modern design of the sensing chamber allows to reliably evaluate the characteristics of fire.

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 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 activated condition of the detector is indicated by a red LED. 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. 340µA (quiescent)
Ambient temperature	-20°C to +60°C
Relative humidity	0 – 95% (no condensation)
Dimensions ø × H	100 × 42 (mm)
Colour	white
Weight	105g
Approval	VdS G294028
Order number	241023
Order name	Optical Smoke Detector/Anal./XP95/Apo AO-55000-620

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