

Aspiration Smoke Detector

ASD20

General

The ASD20 Aspiration Smoke Detector consists of an analysis chamber with one or two smoke detectors, which can be of conventional or analogue technology, ionisation or optical. The smoke reaches the analysis chamber through the installation pipes after having been sucked in by a turbine inside the ASD20 system. An electronic circuit controls said turbine and the air flow, giving off a fault signal if the pipes are broken or if the air intake is obstructed. It has two voltagefree relays for local manoeuvres, one per detector, and a third system fault relay. When analogical smoke detectors from the 700A series are used, it is possible to adjust their sensitivity levels from the fire control unit.

Technical Data

Power supply voltage	24 V
Consumption on standby	250 mA
Consumption 1st alarm	280 mA
Consumption 2nd alarm	320 mA
Fault consumption	220 mA
Working temperature	-10 to +60°C
Storage temperature	-10 to +70°C
Relative humidity	<95%
Size	314 x 254 x 115
Weight	4 kg
Colour	RAL9999
Material	Polycarbonate
Cable input	3 x PG11
Terminals	Base fastening
Wire cross-section	Max. 1.5 mm ²
Coverage area per intake	30 m ²
Maximum num. of intakes	12
DIN 8062-type PVC pipes	Ø25 mm
Detectors	Conventional/Analogue
Aspiration motor type	Radial
Useful lifetime of motor	65 000 hours at 40°C

Ordering Information

ASD20	Aspiration Smoke Detector
59000034	Spare filter cartridge for the ASD20.



- It can operate with conventional or analogue detectors
- Direct connection to the analogue loop
- Power supply at 24 VDC
- Simple and robust architecture
- 30 m² coverage per sample intake per sample intake
- 25 mm PVC piping system
- Installation of piping in I-shape and U-shape (symmetrical or asymmetrical)
- Continuous supervision of pipe flow volume
- Local operation by NO NC relay inside the unit alarm 1, alarm 2 and fault