

CLASS C ASPIRATING SMOKE DETECTION



FIRE & SECURITY

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CLASS C ASPIRATING SMOKE DETECTION



Features

Economical, single or dual area aspirated 'fire' detection	✓
Uses conventional or analogue addressable detectors (not supplied)	✓
Brand compatible detection allows true integration and control	✓
Detection element can be serviced or replaced	✓
1 or 2 sampling pipes – each up to 50m in length	✓
Easy to install, commission and maintain	✓
Low operating current	✓
Rugged IP65 enclosure	✓

Typical Application

General area protection (<100m ² per pipe/channel)	✓
Inaccessible areas	✓
Shafts and service ducts	✓
Locked or security controlled areas	✓
Harsh environments (wet and/or dusty)	✓
Ceiling and floor voids	✓
Remote sampling of ventilation ductwork	✓
Hose-down areas e.g. food preparation, pharmaceutical, cleaning	✓
Vandal-proof applications	✓

Typical applications requiring Class 'C' Sensitivity



The Class C ASD is a professional air-sampling unit, designed to complement conventional and analogue addressable system technology, by combining standard field-serviceable smoke detectors with a stand-alone air-sampling solution. Ideal for the protection of difficult to access, environmentally demanding, aesthetic or architecturally restricted areas, the ASD is rugged, easy to install, weatherproof, and requires no special tools or software to configure.

Operation

Air is drawn from the protected area through one or two perforated 25mm pipes. A powerful fan together with sophisticated air-flow monitoring and control circuitry ensures that transport delays are minimised and air-flow is kept within working limits. System status and flow control is continuously displayed (per channel), with on-board fault relays allowing remote fault monitoring. Power management ensures that operating current is kept to a minimum, allowing superior performance and optimisation of external power supply and standby battery resources.

Technical Specifications

Mechanical

Sampling Pipe Inlets	1 or 2 (ASD1 & ASD2 respectively)
Detectors	1 or 2 conventional or analogue addressable smoke (not supplied)
Sampling Pipe Length	50m (max) per pipe. For VdS approved installations, consult manual
Sampling Pipe Diameter	1 or 2 x 25mm or 3/4" (27mm) nominal bore
Exhaust Air Pipe Outlet	1 (25mm or 3/4")

Electrical

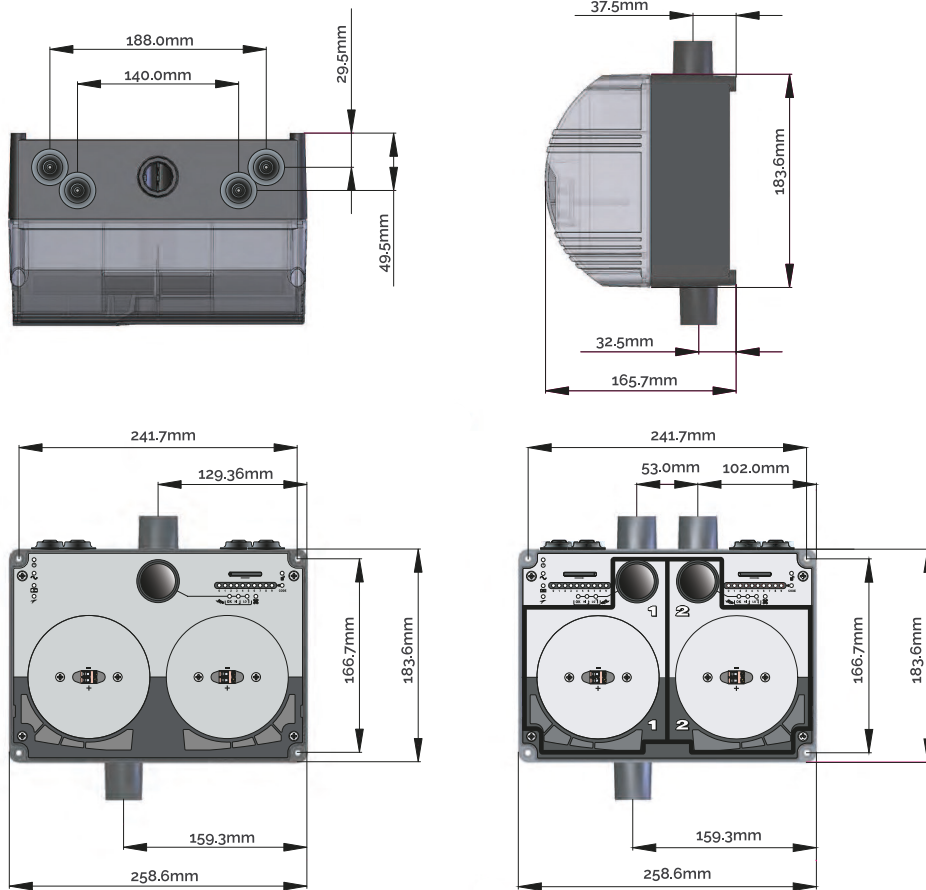
Supply Voltage	Nominal 24Vdc (18 to 30Vdc)
Operating Current	300mA max (fan speed dependant)
Fault Monitoring	Power failure (common), Flow fault per channel
Relay Outputs	1 or 2 changeover relays
Cable Terminals	Removable 2.0mm maximum
Display	5 common status plus 10 segment LED bargraph per channel
Controls	External weatherproof - Code protected
Flow Monitoring	Thermal, with adjustable High/Low and sensitivity limits

Environmental

Operating Temperature	-10 to +60°C
Operating Humidity	10 to 95% (non condensing)
IP Rating	IP65 with exhaust pipe fitted and cable entries sealed

General

Filtration (internal)	Replaceable dust particle. Harsh environment filter also available
Filtration (external)	Optional, external harsh environment filter
Housing Material	ABS, with tamper-proof locking mechanism
Mounting	Upright, horizontal or Inverted
Weight	2.3kg
Dimensions (W x H x D)	259 x 184 x 166mm
Equipment Approvals	EN54-20, CE, VdS, CPD



Ordering Information

IAS-1-ML	IAS1 Aspirating Smoke Detector
IAS-2-ML	IAS2 Aspirating Smoke Detector
06-AP10	Baffle for Apollo S65, XP95, Discovery (10 Pack)
06-AP20	Baffle for Apollo Multisensor (10 Pack)
06-HK10	Baffle for Hochiki SLR-E3, ALG-E (10 Pack)
06-AD10	Baffle for ADT 801PH MX (10 Pack)
06-GT10	Baffle for Gent S-Quad (10 Pack)
06-NT10	Baffle for Nittan EV-P (10 Pack)
06-0000	Blanking Baffle (10 Pack)
02-FL53	Replacement Filter Element, Coarse 20ppi (Pack of 10) ASD/LASD/E Series
02-FL56	Replacement Filter Element, Fine 44ppi, FT Series, (Pack of 10) E Series Only
20-LA0015-03	Key for ASD/LASD