

### 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 (<math><100\text{m}^2</math> 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 EF-ASD1/2 is a professional air-sampling unit, designed to compliment 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 EF-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.

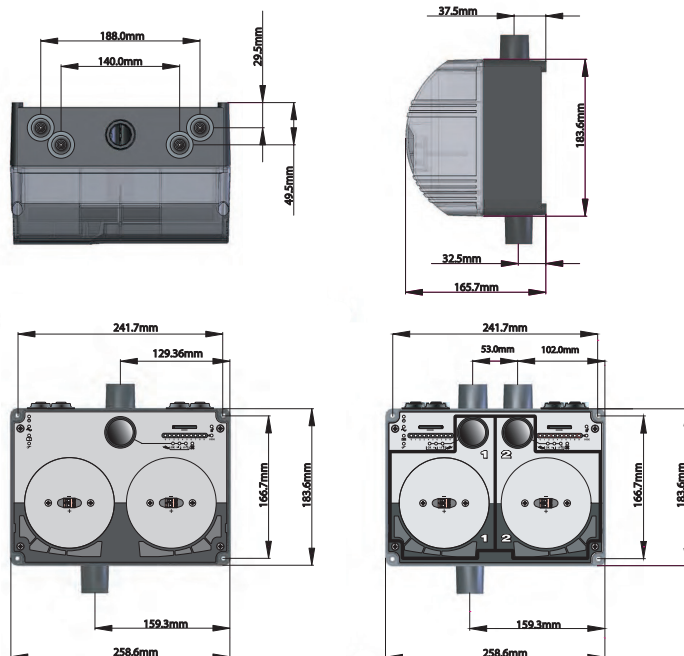


## Technical Specification

<b>Mechanical</b>	Sampling Pipe Inlets	1 or 2 (EF-ASD1 & EF-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")
<b>Electrical</b>	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
<b>Environmental</b>	Operating Temperature	-10 to +60°C
	Operating Humidity	10 to 95% (non condensing)
	IP Rating	IP65 with exhaust pipe fitted and cable entries sealed
<b>General</b>	Filtration (standard 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	



### Dimensions



### Ordering Information

<b>EF-ASD1</b>	ASD-1 Aspirating Smoke Detector
<b>EF-ASD2</b>	ASD-2 Aspirating Smoke Detector
<b>06-ZE10</b>	Baffle for Zeta FEO2000, FEAO2000 (10 Pack)
<b>06-AP10</b>	Baffle for Apollo S65, XP95, Discovery (10 Pack)
<b>06-AP20</b>	Baffle for Apollo Mulisensor (10 Pack)
<b>06-HK10</b>	Baffle for Hochiki SLR-E3, ALG-E (10 Pack)
<b>06-SS10</b>	Baffle for LASD (10 Pack)
<b>06-AD10</b>	Baffle for ADT 801PH MX (10 Pack)
<b>06-GT10</b>	Baffle for Gent S-Quad (10 Pack)
<b>06-NT10</b>	Baffle for Nittan EV-P (10 Pack)
<b>06-0000</b>	Blanking Baffle (10 Pack)
<b>02-FL53</b>	Replacement Filter Element, Coarse 20ppi (Pack of 10) ASD/LASD/E Series
<b>02-FL56</b>	Replacement Filter Element, Fine 44ppi, FT Series, (Pack of 10) E Series Only
<b>20-LA0015-03</b>	Key for ASD/LASD

