



## ICAM IAS800 Aspirated Smoke Detector

### Features:

- Dual channel fire detection
- Multiple configuration options
- Multiple detection strategies
- MZX Technology™ detection
- 50 m per sampling pipe
- Microprocessor controlled
- Highest fan capacity in its class
- Integral display and programmer
- Field serviceable air filter
- Adjustable aspirator speed with airflow monitoring
- IP65 enclosure
- Includes two 4" detector bases and a MIM800 Module

The ICAM IAS800 Air Sampling Smoke Detection System provides a flexible solution for areas where other methods of detection are difficult to implement or where access is restricted. It also provides a level of anti-tamper protection that makes it suitable for secure applications.

### How it Works

The ICAM IAS800 System actively draws air from the protected area through sampling pipe work. The sampled air is then filtered before being analysed by addressable point smoke detectors incorporated in the unit. The ICAM IAS800 System is available with two inlet pipes and houses up to two detectors.

The ICAM IAS800 System utilises a high performance aspirator and software configurable flow monitoring circuitry. The air flow level is displayed on a ten element bar graph that can be adjusted for high and low flow thresholds. Flow failure is reported as a device fault.

## Detection Strategies

The ICAM IAS800 System may be configured for a number of detection strategies including:

- Single or Dual Sampling Pipes
- Single or Dual Addressable Detectors
- Redundant detection
- Multi-criteria detection
- Coincident or double-knock detection

The ICAM IAS800 System is designed specifically for use with the advanced MZX Technology™ fire detection and alarm system. It uses the latest EN54 approved multi-criteria sensors with fast logic to maximise the detection capability and provide reliable, false alarm free operation.

## Listings/Approvals

Equipment Approvals: VdS to EN54-20 with two 801PH MX Sensors

## Specification

### Supported Detectors (ordered separately):

- 801PH MX Multi Sensor Smoke and Heat Detector
- 801PC MX 3σTec Multi Sensor Smoke, Heat and Gas Detector
- 801PS MX High Sensitivity Optical Smoke Detector

The ICAM IAS800 takes one address plus a minimum of one address per detector

## Supply Voltage:

24VDC nominal (18 to 30 VDC)

*Note that the MX detectors are powered from the signalling circuit.*

## Current Consumption:

300mA (max)

## Dimensions (WHD):

259 mm x 184 mm x 166 mm

## Operating Conditions:

Temperature: -10 to +60°C

Humidity: 10 to 95% RH (non condensing)

## Inlet Pipe Size:

Outer Diameter: 25 mm

## Sampling Pipe Work:

Pipe Length: 50 m per inlet with two holes per pipe

*For VdS approved installations, please consult the manual.*

## IP Rating:

IP65

## Filtration:

Serviceable Filter

Optional External Filter

## Flow Monitoring and Reporting:

High and Low (adjustable)

## Fan Control:

10 programmable speeds

## Ordering Information

516.016.301 ICAM IAS800 Aspirated Smoke Detector

For further information on how ADT can help you, contact your local office or phone free on **0800 010 999** or visit us at [www.adt.co.uk](http://www.adt.co.uk)

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Ref No PSF235A Issue 1 January 2009

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