



## PS1434.2

Designed for applications where aspiration equipment is specified, but where the high sensitivity, normally inherent in these devices is an unnecessary expense, or at times a nuisance due to unwanted alarms, the Smoke Hound Basic provides a practical solution, by allowing the use of standard point type detectors within an aspirated enclosure.

In areas such as floor and ceiling voids, data processing equipment, bank vaults and prison cells, the unit can be installed to provide a practical, cost effective sensing solution.

Ideal for applications where high air movement, inaccessibility, or the risk of malicious detector damage prohibits the siting of smoke sensors within the protected area, the ZS600 system provides all the advantages of smoke detector response, from standard, point type devices.

The detector comprises a sealed enclosure, housing two standard smoke detectors either analogue or conventional (ordered separately), with sampling pipe work running into the protected area. Air samples are continuously drawn into the detector enclosure, via small perforations drilled along the pipe work run.

Detector can be, either a duplication of type, ensuring failsafe security against unwanted alarms, or an optical and an ionisation device, providing response to the widest range of fire types, the unit is simply installed with a single pipe work run of up to 25 metres.

Flow levels from the high performance aspirator and flow monitoring circuit, are displayed on a ten element bar graph with adjustments for high and low thresholds. Flow failure is monitored and reported to the fire alarm control panel as a device fault.

Housed in a removable, transparent cartridge, an inline air filter removes dust particles from the air sample. The filter cartridge design allows rapid inspection and maintenance. The detector enclosure is constructed of high impact, transparent plastic allowing visible indication of the detector fire LEDs.

The system can be optionally rated to IP65, allowing its use in a wide range of harsh environments, or where hygiene requirements demand regular washing or hosing down within the protected area.



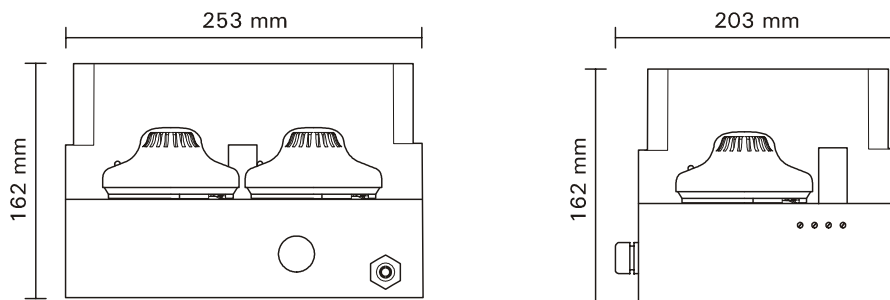
# ZS600

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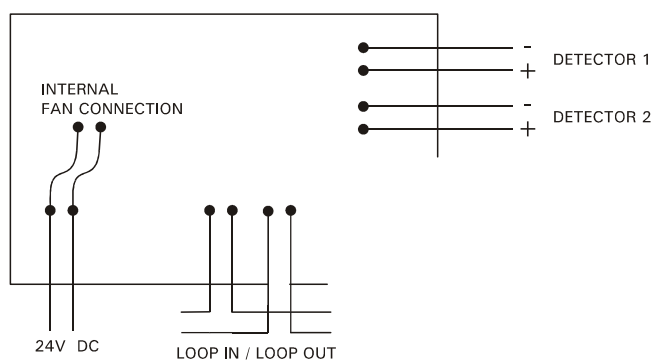
## SMOKE HOUND BASIC

- **Dual detectors for redundancy and mixed detection strategy**
- **Cartridge air filter**
- **Up to 25 metre pipe run**
- **Bar graph flow indication**
- **High/low fault and remote reporting**

## Dimensions



## Wiring Diagram



991355-01.cdr

## Specification



Model No.	ZS600
Description	Aspirating smoke detector housing (without detectors and bases)
Number of detectors	2
Compatibility	All ZC and ZP systems 7 to 100 metres
Mounting	Detector - surface Pipe work – suitable fixings, 1.5 metre centers
Pipe work run	25 metre max (25mm OD, 20mm ID, ABS or UPVC) No tees allowed 3 sampling holes max
Wiring	2 core loop or spur
Monitoring:	As detector/sensor type
Flow monitoring	High and low thresholds via thermal device bar graph indication, loop fault reporting
Filtration	Cartridge dust particle filter
Operating voltage	24Vdc
Current	225mA

Environmental:	
Application	Indoor use
EN60529 rating	IP50 optional IP65
Temp range	-10°C to +75°C
Humidity range	20% to 95% RH (non condensing)
EMC	CE marked (EEC89/336)
Construction:	
Material	High impact industrial plastic
Dimensions	255mm (W) x 165mm (H) x 180mm (D)
Colour	Base – Grey Lid – Transparent
Weight	2.16 kg (including detectors)

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