

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.



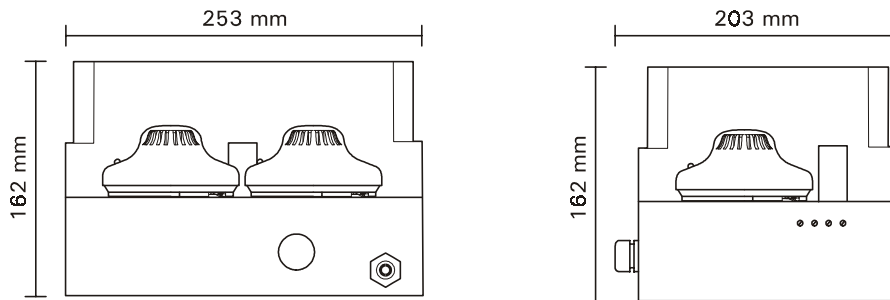
## ZS600

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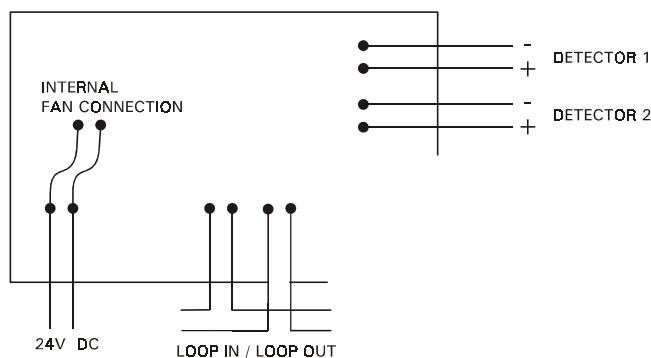
### SMOKE HOUND BASIC

- **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 Schematic



991355-01.cdr

## Specifications



Model No.	Part No.	Description
ZS600	94501	Aspirating smoke detector housing (without detectors and bases)
Number of detectors	2	<b>Environmental:</b> Application: Indoor installation EN60529 rating: IP50
Compatibility	All ZC and ZP systems 7 to 100 metres	
Mounting	Detector - surface Pipe work – suitable fixings, 1.5 metre centres	Temp range: -10°C to +75°C Humidity: 20% to 95% RH (non condensing) EMC: CE marked (EEC89/336)
Pipe work run	25 metre max (25mm OD, 20mm ID, ABS or UPVC) No tees allowed	<b>Construction:</b> Enclosure: High impact industrial plastic Dimensions: 255mm (W) x 165mm (H) x 180mm (D) Colour: Base - Grey Lid - Transparent
Wiring	2 core loop or spur	
<b>Monitoring:</b>	As detector/sensor type	Weight: 2.16 kg (including detectors)
Flow monitoring	High and low thresholds via thermal device bar graph indication, loop fault reporting	
Filtration	Cartridge dust particle filter	
Operating voltage	24 volts DC	
Current	225mA	

Ziton Ltd  
 8 Newmarket Court Chippenham Drive Kingston Milton Keynes MK 10 0AQ United Kingdom  
 Telephone +44 (0) 1908 281981 Fax +44 (0) 1908 282554 email zitonuk@ziton.spx.com

Ziton (Pty) Ltd  
 Ziton House 555 Voortrekker Road Maitland 7405 PO Box 4965 Cape Town 8000 South Africa  
 Telephone +27 (0)21 506 6000 Fax +27 (0)21 506 6100 email zitonza@ziton.spx.com

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