



FASD710

High-performance aspiration controller for point detectors

General

The FASD710 provides a low cost solution for aspiration systems using point smoke detectors. The controller can be used in many applications where stand-alone point smoke detectors are not suitable. The powerful pump allows pipe distances of up to 100 metres.

The product

There are many instances where aspirated smoke detectors are specified, but where the very high sensitivity of a laser detector is an unnecessary expense or even a nuisance due to false alarms. The FASD710 aspirated smoke detector provides the perfect solution in allowing the use of simple point detectors within an aspirated system. The FASD710 provides closed loop sampling whereby the exhausted air can be completely returned to the sampled area making it particularly suitable for prison cells.

Installer friendly

The system incorporates up to two analogue addressable or conventional point detectors providing the ability for failsafe redundancy or mixed detection strategies. The FASD710 incorporates an in-line air filter to remove dust particles from the air sample. This is housed in a removable transparent cartridge enabling rapid inspection and maintenance. The system could be IP65 rated allowing its use in many harsh environments, and where regular hosing is performed.

Reducing false alarms

The aspirating smoke detector utilises a high performance aspirator and flow monitoring circuit. The flow level is displayed on a 10-element bar graph with adjustments for high and low flow thresholds. Flow failure is reported to the central panel as a device fault on the primary detector.



Standard Features

- 2 Detectors for redundancy and mixed detection strategy
- Up to 100 metres pipe
- Cartridge air filter
- Bar graph indication of flow
- High / low flow fault and remote reporting
- IP65 rating available
- Could be used in applications such as:
 - - Hotels
 - - Banks
 - - Hospitals
 - - Livestock Buildings
 - - Prisons
 - - Underground stations
 - - Aesthetic environments
 - - Harsh environments
 - - Dirty environments

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Specifications

Dimensions (w x l x h)	254 x 180 x 165 mm
Supply voltage	24 VDC
Current consumption	460 mA
Number of detectors (not included)	2
Filtration	Cartridge dust particle filter
Maximum tube length	100 m
Flow monitoring	yes
Environmental	
IP rating	IP50/IP65
Operating Temperature	-10 to 60 °C
Operating Humidity	10 to 95% RH (non-condensing)

Ordering Information

Part No.	Description
FASD710	High-performance aspiration controller for point detectors
FHSD756	Replacement filter element 10 pack - coarse
FHSD771	Large bore red pipe 3 metre length
FHSD772	Straight union large bore
FHSD773	90 deg. bend for large bore pipes
FHSD774	45 deg. elbow for large bore pipes
FHSD775	End cap for large bore pipes
FHSD776	Removable Union for Large Bore Red Pipe 25 mm
FHSD777CE	Wall Anchor Clip for 25 mm pipe
FHSD779	T-Piece for 25mm pipe



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