Honeywell

Aspirating Smoke Detection

FAAST™ LT



FAAST LT delivers a flexible solution for applications where standard detection methods are prone to failure or false alarm

Designed with the installer and end user in mind, the FAAST LT serves a wide variety of EN54-20 Class C applications where maintenance is difficult, other smoke detection methods are inappropriate, due to harsh environments, or areas where aesthetics matters.

FAAST LT devices are available as single channel and dual channel devices, offering flexibility for different detection strategies. A range of customisable settings are geared towards maximising device performance and meeting different application needs.

Key Features

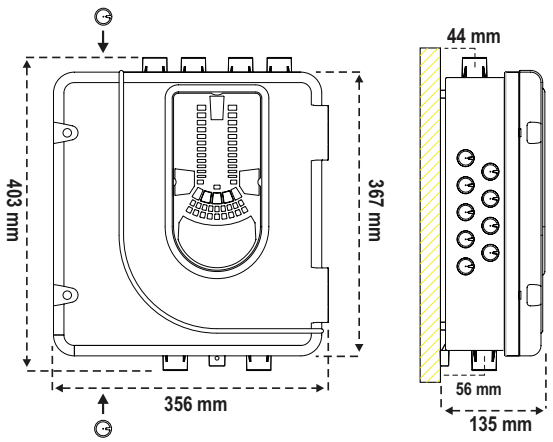
- Single & Dual channel versions with independent channels including fan, sensor and flow monitoring
- Multiple event logging up to 2240 events
- Ultrasonic airflow sensing
- PipeIQ™LT software provides intuitive system layout and configuration all in one package
- User friendly air flow pendulum graph for verification of pipe network functionality
- Protected electronics from air flow and accidental damage during installation or maintenance
- Easily replaceable and reusable filter without affecting the rest of the device
- Designed for efficient wiring and installation: cable gland holes, easy access to the wiring area and no special tools required.
- Easy access to parts requiring routine maintenance: filter(s) or sensors(s).
- IP65 enclosure

FAAST LT

TECHNICAL SPECIFICATION

MECHANICAL SPECIFICATION		ELECTRICAL	
FAAST™ LT FL0111E, FL0112E, FL0122E			
Height	403 mm (including inlets & outlets)	Smoke Sensor	Optical laser point type
Width	356 mm	External Supply Voltage	18.5 - 31.5 VDC
Depth	135 mm	Remote Reset Time	2 seconds
Cable Access	Knock out cable gland holes	Power Reset	0.5 seconds
Wire Gauge	0.5 mm^2 to 2 mm^2	Avg. Operating Current (excluding sounders) 1 Channel Device 2 Channel Device	 170mA @ 24 VDC 270mA @ 24 VDC
Maximum Single Pipe Length	100 m		
Maximum Total Branched Pipe Length	160 m (per channel)		
Maximum Air Inlet Holes	18 holes (per channel)		
Coverage Area	up to 2000m^2		
Outside Pipe Diameter	25 mm or 27 mm	Max. Avg. Operating Current (excluding sounders) 1 Channel Device 2 Channel Device	 360mA @ 24 VDC 570mA @ 24 VDC
Internal Pipe Diameter	15-21 mm		
Sensitivity Range (obscuration)	0.07%/m		
Relays	3 (1 Alarm, 1 Fault, 1 Pre-alarm)	Relay Contact Ratings	2.0 A @ 30 VDC, 0.5 A @ 30 VAC
Sounder Outputs	1 per channel	Communication Loop Supply Voltage Loop Standby Current @ 24V	 15-29 VDC (Loop current ≤ 900mA) 900 µA max. (poll once every 5s)
Event Log	2244 events	**ENVIRONMENTAL**	
Interfaces	Terminal blocks: power supply, relays, sounder outputs, external input; Loop Connection, USB port; Buttons (Test, Reset, Disable)	Operating Temperature	-10°C to 55°C
		Humidity Range	10 to 93% (non-condensing)
		IP Rating	IP65
Power supply & relays connections	2mm^2	**LISTINGS AND APPROVALS**	
USB	Standard USB cable for Type B USB Connection	CPD	
Shipping Weight	6.5kg (dual channel) includes packaging	LPCB	
Flow monitoring and reporting	High & low according to EN54-20	EN54-20 (holes per channel)	Class A – 3 holes Class B – 6 holes Class C - 18 holes
Filtration	Replaceable filter		
Fan control	10 programmable speeds		

Dimensions



User Interface Display

The front panel will be different depending on which of the models is being installed. The following display information is possible:

- Alarm level; Alarm, Pre-Alarm
- Particulate Levels; 1-9
- Fault Status
- Flow Level
- Test, Reset and Disable Buttons

Product Range

FAAST LT Stand Alone Aspirating Systems		ORDER CODES
	Single channel, single detector FAAST LT aspirating unit complete with relay outputs. Also includes built in filter.	FL0111E
	Single channel, dual detector FAAST LT aspirating unit complete with relay outputs. Also includes built in filter.	FL0112E
	Dual channel, dual detector FAAST LT aspirating unit complete with relay outputs. Also includes built in filter.	FL0122E

FAAST LT specific accessories		
	Earth Bar	F-LT-EB
	FAAST LT Replacement internal filter (Pack of 6)	F-IS-6

For a full range of filters, pipework and accessories please refer to your price list.

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