NOTIFIER® by Honeywell

FAAST™ LT Loop Based Aspirating System

Fire Alarm Aspiration Sensing Technology

Data Sheet



The FAAST LT Aspirating Smoke Detector is designed with the installer and end user in mind. It serves the wide variety of Class C applications where maintenance is difficult, other smoke detection methods are inappropriate or prone to fail due to harsh environments or areas where aesthetics matters. It is also suitable for smaller mission critical applications where very early warning - Class A or B detection is required.

FAAST LT combines proven aspiration detection technologies to deliver reliable smoke detection and efficient installation and maintenance. The device includes high sensitivity laser fire detection, ultrasonic flow sensors, and internal design features to protect vulnerable components from environmental and human threats. The device is fast to install and easy to commission thanks to PIPE IQ LT pipe design and configuration software which is included as standard.

FAAST LT loop based 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. Loop capability allows standard device integration, maintenance and support consistent with other Notifier Opal devices.

The detector provides alarm and fault relays with auxiliary events relay as an option. These can be set as latched or non-latched. To accommodate local installation standards or environments, flow and general fault delays can also be set.

Features

- FAAST LT intelligent detectors offer ultimate flexibility in terms of integration with the overall fire system, giving the operator full detail at the control panel
- 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

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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 device 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.

Loop based FAAST LT detectors offer ultimate flexibility in terms of connectivity with the overall fire system. The device is fast to install, easy to configure and includes installation and commissioning software PipeIQ LT.

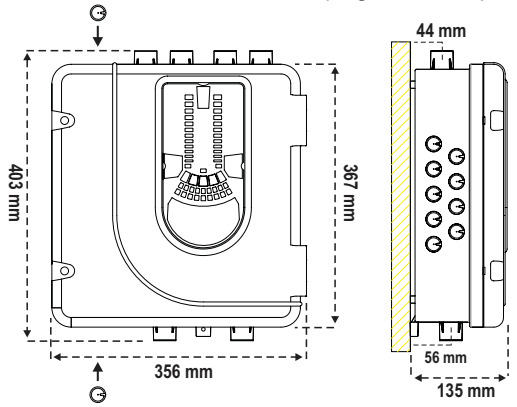


Specifications

FAAST™ LT NFXI-ASD11, NFXI-ASD12, NFXI-ASD22

Mechanical Specification

• Height	403 mm (including inlets & outlets)
• Width	356 mm
• Depth	135 mm
• Cable Access	Knock out cable gland holes
• Wire Gauge	0.5mm² to 2 mm²
• Maximum Single Pipe Length	100 m
• Maximum Total Branched Pipe Length	160 m (per channel)
• Maximum Air Inlet Holes	18 holes (per channel)
• Outside Pipe Diameter	25 mm or 27 mm
• Internal Pipe Diameter	15-21 mm
• Sensitivity Range (obscuration)	0.07%/m
• Relays	2 (1 Alarm, 1 Fault) x per channel
• Sounder Outputs	1 per channel
• Event Log	2244 events
• Interfaces	Terminal blocks: power supply, relays, sounder outputs, external input; Loop Connection, USB port; Buttons (Test, Reset, Disable)
• Power supply & relays connections	2mm² max
• USB	Standard USB cable for Type B USB Connection
• Shipping Weight	6.5kg (dual channel) includes packaging
• Flow monitoring and reporting	High & low according to EN54-20
• Filtration	Replaceable filter
• Fan control	10 programmable speeds



Electrical Specification

• Smoke Sensor	Optical laser point type
• External Supply Voltage	18.5 - 31.5 VDC
• Remote Reset Time	2 seconds
• Power Reset	0.5 seconds
• Avg. Operating Current (excluding sounders)	
1 Channel Device	170mA @ 24 VDC
2 Channel Device	270mA @ 24 VDC
• Max. Average Operating Current (excluding sounders)	
1 Channel Device	360mA @ 24 VDC
2 Channel Device	570mA @ 24 VDC
• Relay Contact Ratings	2.0 A @ 30 VDC, 0.5 A @ 30 VAC
• Communication	
Loop Supply Voltage	15-29 VDC (Loop current ≤ 900mA)
Loop Standby Current @ 24V	900 µA max. (poll once every 5s)

Environmental Specifications

• Operating Temperature	-10°C to 55°C
• Humidity Range	10 to 93% (non-condensing)
• IP Rating	IP65

Listings and Approvals

• CPD	
• LPCB	
• EN54-20 (holes per channel)	Class A – 3 holes
	Class B – 6 holes
	Class C - 18 holes

User Interface Display

The front panel will be different depending on which of the 3 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 at a Glance

FAAST LT Loop Connected Aspirating Systems		Part Number
	Single channel FAAST LT aspirating unit fitted with 1 VIEW laser detection chamber. Also includes built in filter.	NFXI-ASD11
	Single channel FAAST LT aspirating unit fitted with 2 VIEW laser detection chambers. Also includes built in filter.	NFXI-ASD12
	Dual channel FAAST LT aspirating unit fitted with 2 VIEW laser detection chambers. Also includes built in filter.	NFXI-ASD22

FAAST LT Stand Alone Aspirating Systems		Part Number
	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 the Notifier FAAST Planning and Pipe Guide

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