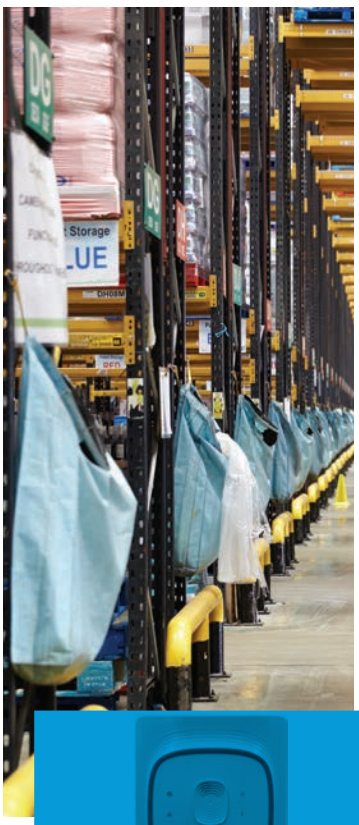
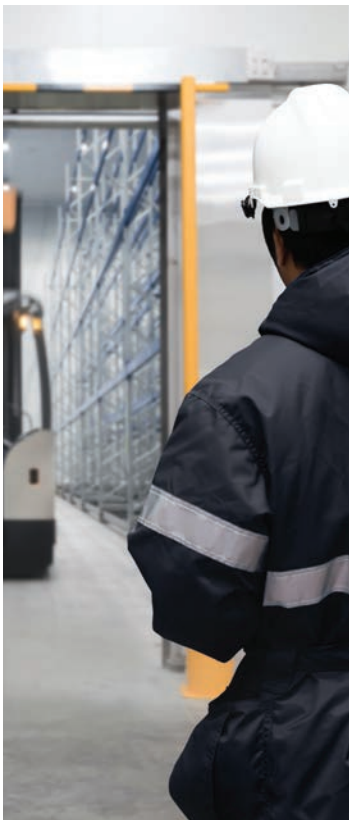
FAAST FLEX™

ASPIRATING SMOKE DETECTION





CHOOSE RELIABLE SMOKE DETECTION. REDUCE DOWNTIME AND OPERATIONAL COSTS.

- **RELIABLE PERFORMANCE**
- **EASIER INSTALLATION**
- **FASTER COMMISSIONING**
- **SIMPLER MAINTENANCE**
- **ENHANCED USER EXPERIENCE**
- **BACKWARD COMPATIBILITY**

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PROTECT YOUR WAREHOUSING BUSINESS WITH FAAST FLEX SMOKE DETECTION

Small and medium-sized enterprises (SMEs) are the backbone of the warehousing and logistics industry. Protecting them against smoke and fire is vital, so is keeping downtime and cost to a minimum. This is where FAAST FLEX Aspirating Smoke Detection (ASD) from Xtralis comes in. FAAST FLEX is available in two models; Conventional and Addressable.

FAAST FLEX combines effective and reliable smoke detection with ease of design, installation, commissioning, and maintenance and improved user experience. This way, you can better address the typical challenges associated with smoke detection in warehousing.

WHY IS DETECTING SMOKE IN WAREHOUSES SO CHALLENGING?

Warehouses often consist of large, open spaces. Here, air movements and stratification may dilute or disperse smoke, preventing it from reaching traditional point (spot) detectors on the ceiling. By the time smoke is finally detected, it may already be too late to prevent disruption to business operation and damage to property and stored goods. Another limitation of point detectors is that they are generally unfit for sub-zero environments, meaning they cannot be used in refrigerated storage facilities. With FAAST FLEX ASD, you can address both challenges.

WHAT MAKES FAAST FLEX ASD DIFFERENT?

FAAST FLEX is an aspirating smoke detection system that actively samples the air throughout a facility via an extensive network of pipes with sampling holes. This way, you can detect the early signs of a potential fire threat and take action to prevent disruption and damage to your business.

WHAT MAKES ADDRESSABLE FAAST FLEX DIFFERENT FROM CONVENTIONAL MODELS?

Addressable FAAST FLEX builds on the proven reliability of conventional FAAST FLEX by adding intelligent communication with Fire Alarm Control Panels (FACPs). Each detector communicates individually with the panel, ensuring extended centralized troubleshooting and configuration.

FAAST FLEX SMOKE DETECTION FOR RELIABLE COLD STORAGE PROTECTION

WHY IS DETECTING SMOKE IN SUB-ZERO FACILITIES SO DIFFICULT?

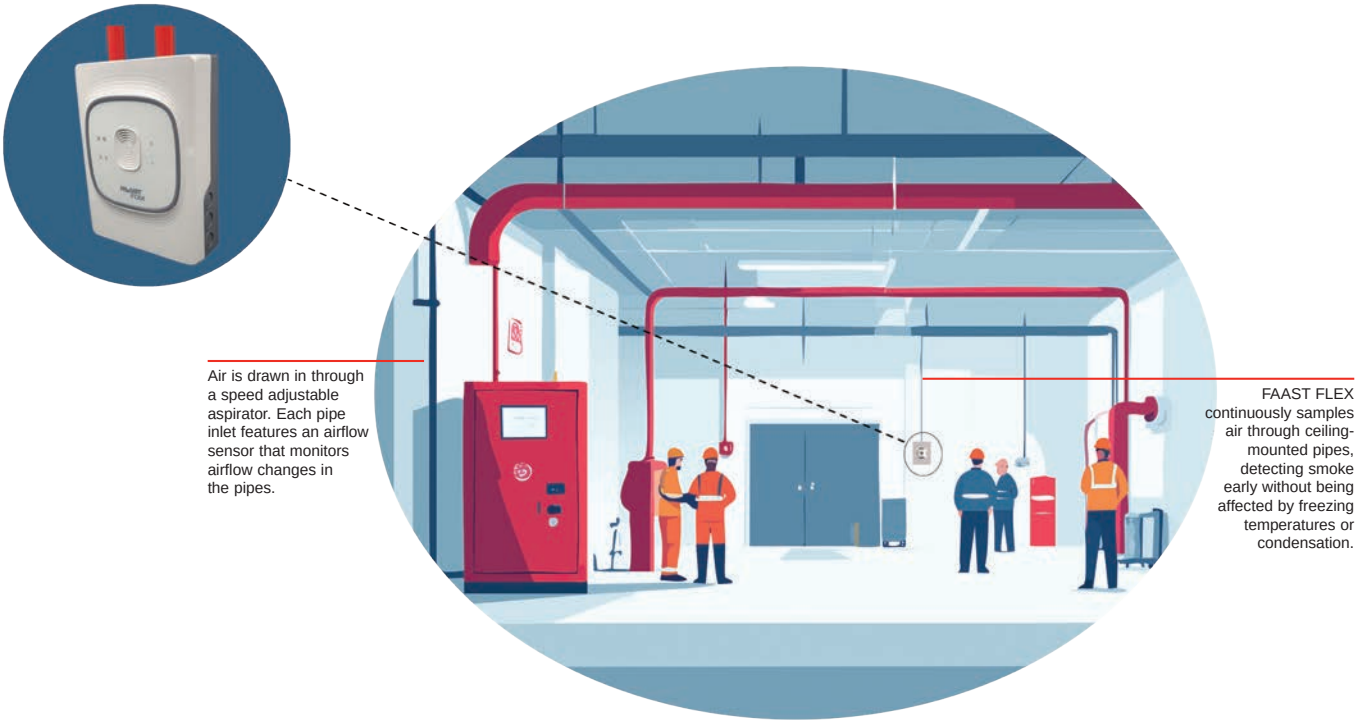
Cold storage environments present unique challenges for smoke detection. Traditional point detectors often fail in sub-zero conditions, but FAAST FLEX ensures reliable performance with an operating range down to -40 °C, making it suitable for refrigerated warehouses and freezer rooms. FAAST FLEX continuously samples the air to detect smoke at the very earliest stage, even in difficult airflow conditions, providing valuable time to act before business operations are disrupted.

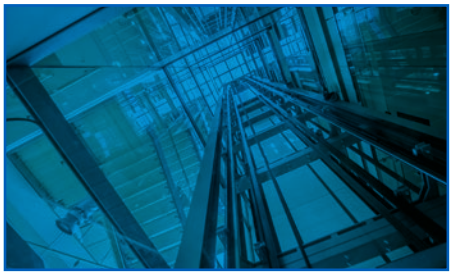
This early detection helps minimize downtime and protects goods from damage or loss. In addition, its modular design and field-replaceable components simplify servicing, even in hard-to-reach cold storage areas, ensuring that maintenance is straightforward and efficient.

WHERE ELSE CAN FAAST FLEX BE APPLIED?

FAAST FLEX is a great fit for a wide range of applications, including:

- Commercial offices
- Wind turbines
- Electrical cabinet photovoltaics
- Elevator shafts
- Ceiling and underfloor voids
- Transformer and electrical rooms
- Low noise environments





SMOKE DETECTION HAS NEVER BEEN SO FAAST

There are many reasons why FAAST FLEX ASD is a great fit for a variety of small-to-medium warehousing facilities, including cold storage.

Peace of mind

- Reliable smoke detection and consistent performance with proven ultrasonic flow sensing
- Minimum nuisance alarms thanks to accurate air sample filtration.
- Compliance with EN54-20 and other essential industry standards.

Easier design and installation

- Quick installation in under 2 minutes with screwless assembly, ample wiring space, and flexible mounting options thanks to a compact, slim, modular design with an innovative reversible cover.
- Pipe network layouts are designed using the intuitive ASPIRE™ calculation tool, ensuring optimum performance and seamless integration.
- Pre-engineered pipe networks making design and installation fast and effortless (available for conventional models only).

Faster commissioning

- Out-of-box operation with a built-in user-friendly configuration.
- Extended configuration and testing enabled through a Bluetooth® interface and mobile App.
- Integration with FACPs available on the Addressable model for advanced connectivity.

Simpler maintenance

- Convenient detector access, with the extensive network of pipe making installation in hard-to-reach locations unnecessary.
- Modular design and field-replaceable components enabling easier, in-field service operations.

Enhanced ease of use

- Easy configuration, remote control, status monitoring, rapid diagnostics, and reporting with a Bluetooth® interface and mobile App.

Compatibility with cold storage

- -40 °C operating temperature.

LOWEST TCO AND RELIABLE PERFORMANCE

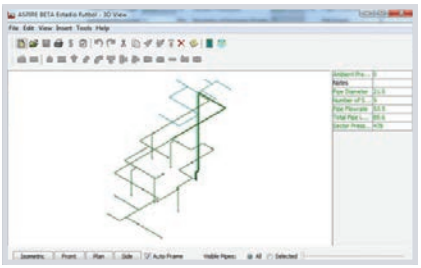
FAAST FLEX reduces total cost of ownership and minimizes downtime, ensuring business continuity and asset protection, while delivering reliable smoke detection.

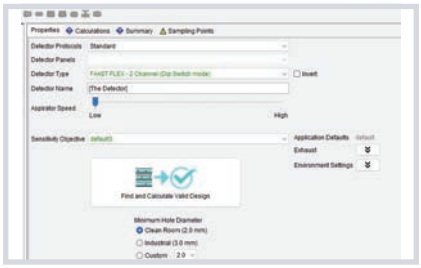
FAAST FLEX™
SOFTWARE

FAAST FLEX ASPIRE

FAAST FLEX ASPIRE is a Windows®-based application that aids the specification and design of pipe networks for FAAST FLEX air sampling smoke detectors. It provides the designer with tools to speed the design process and ensure optimum network performance and installation quality.

It also delivers precise calculations of flow, dilution, pressure, and transport time, along with a complete Installation Data Pack (IDP) and detailed Bill of Materials (BOM).



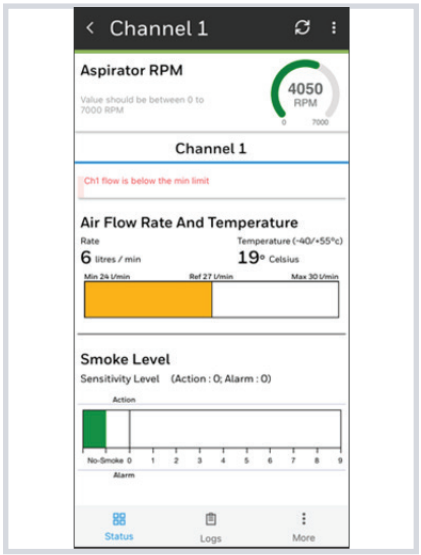


Firmware Upgrade Tool

The Firmware Update Complier offers a fast and easy firmware upgrade solution. New versions are downloaded to a USB drive; the user simply plugs in the drive and presses a button. The device then completes the upgrade automatically, no additional steps required. A dedicated crypto-chip authenticates the firmware before it is copied, ensuring only trusted versions are installed.

SmartConfig App (FAAST FLEX Bluetooth App)

The SmartConfig app enables users to configure and monitor FAAST FLEX detectors on site. It provides live status updates for each detector, including airflow and recent events, all accessible from a mobile device. The app also expands the range of available configuration settings.



FAAST FLEX™
PRODUCT COMPARISON

Features	Conventional FAAST FLEX	Addressable FAAST FLEX
Supply Voltage	24Vdc (18 - 30Vdc)	24Vdc (19-30Vdc)
Maximum Power Consumption	**Single Channel Model:** 400mA @24Vdc **Dual Channel Model:** 450mA @24Vdc	
Relays	3 per channel, Action, Alarm and Fault 2A @30V	3 per channel, Alarm, GPO and Fault 2A @30V
Detector Sensitivity Range	0.05%obs/m to 6.56%obs/m (0.164%obs/ft – 21.5%obs/ft)	0.05%obs/m to 0.656%obs/m (0.014%obs/ft – 0.2%obs/ft)
Operating Voltage Range (Panel loop)	No Panel Connection	15-32 VDC (24 V Nominal)
Maximum Standby Current		**Single Channel Model:** 450 µA @24V and 25°C (No communication) **Dual Channel Model:** 680 µA @24 V and 25°C (No communication)
Flow Sensor Number	1 per channel	
Level of Alarm	Action and Alarm per channel	
Fan Setting	Adjustable	
Area Coverage	**Single Channel Model:** 1,600m² (17,200 sq.ft) **Dual Channel Model:** 2,000m² (21,527 sq.ft)	
General Purpose Input (GPI)	Reset, Disable, External Fault	
Out-of-Box Configuration	DIP Switches	
Pipe Network Layout*	**Single Channel Model** • Linear pipe length: 1 X 105m (344 ft) • Branched pipe length: 2 X 105m (344 ft) or 4 X 68m (223 ft)	**Single Channel Model** • Linear pipe length: 1 X 105m (344 ft) • Branched pipe length: 2 X 105m (344 ft)
	Dual Channel Model • Linear pipe length: 2 X 105m (344 ft) • Branched pipe length: 4 X 105m (344 ft) or 8 X 49m (161 ft)	**Dual Channel Model** • Linear pipe length: 2 X 105m (344 ft) • Branched pipe length: 4 X 105m (344 ft)
Sampling Holes	**Single Channel Model:** A, B, C: 5, 15, 32	**Single Channel Model:** A, B, C: 6, 16, 30 (Pinnacle)
	Dual Channel Model: A, B, C: 8, 28, 56	**Dual Channel Model:** A, B, C: 12, 32, 48 (Pinnacle)
Field Replaceable Components	Sensing Module, Metal Filter, Front Cover, Aspirator, Internal Covers and Adaptor Set	
Data Logging	Device Info, Device Configuration, Device Status Logged Events and Data	
Communication	USB & Bluetooth	
Operating Temperature	-40 °C to 55 °C	
Sampled Air Temperature	-40 °C to 55 °C	
Humidity	10-93% RH	
IP Rating	IP40	
Dimensions (WHD)	205mm x 280mm x 80.5mm	
Weight	1.7Kg	
Display Panel	LED	
Backward Compatibility	No	Yes (with OEM Panels)
Programming Tools **- Bluetooth App** **- PC Software (ASPIRE)**	Honeywell Smart Config App, FAAST FLEX ASPIRE	Honeywell Smart Config Plus App**, FAAST FLEX ASPIRE
Worldwide Approvals	VdS, EN 54-20, CE, NF, CCC, ActivFire, BOSEC, IFT: HOXTFL23 – 13169, ANATEL, RAMATEL, PBST, FCC, RED	VdS, EN 54-20, CE, RED

* Pipe network layouts can be designed with CAD for conventional models, and with ASPIRE for addressable models.

** Honeywell Smart Config Plus App will be launched in 2026.

FAAST FLEX™
ORDERING INFORMATION

Conventional Models

Ordering Code	Description
FLX-010	FAAST FLEX 1-pipe Stand-alone
FLX-020	FAAST FLEX 2-pipe Stand-alone
FLX-010-NF	FAAST FLEX 1-pipe Stand-alone (NF)
FLX-020-NF	FAAST FLEX 2-pipe Stand-alone (NF)

Spare Parts

Ordering Code	Description
FLX-SP-01	FAAST FLEX Sensing Module
FLX-SP-02	FAAST FLEX Metal Filter (pack of 6)
FLX-SP-03-EN	FAAST FLEX Front Cover (EN)
FLX-SP-03-CH	FAAST FLEX Front Cover (CH)
FLX-SP-04	FAAST FLEX Aspirator
FLX-SP-05-EN	FAAST FLEX Internal Covers Set (EN)
FLX-SP-05-CH	FAAST FLEX Internal Covers Set (CH)
FLX-SP-06	FAAST FLEX Adaptor Set

Addressable Models

Ordering Code	Description
FLX-010-EI	Addressable FAAST FLEX Single Channel
FLX-020-EI	Addressable FAAST FLEX Dual Channel

Spare Parts

Ordering Code	Description
FLX-SP-01NG	Addressable FAAST FLEX Sensing Module
FLX-SP-02	FAAST FLEX Metal Filter (pack of 6)
FLX-SP-03-EN	FAAST FLEX Front Cover
FLX-SP-04	FAAST FLEX Aspirator
FLX-SP-05-COM	Addressable FAAST FLEX Internal Covers Set
FLX-SP-06	FAAST FLEX Adaptor Set

ABOUT XTRALIS

Xtralis is a leading global provider of powerful solutions for the very-early and reliable detection of smoke, fire, and gas threats. Our technologies prevent disasters by giving users time to respond before life, critical infrastructure or business continuity is compromised.

We protect highly valuable assets and infrastructure belonging to the world's top governments and businesses.

To learn more, please visit us at
www.xtralis.com

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