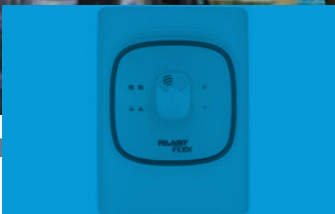


## ASPIRATING SMOKE DETECTION



CHOOSE RELIABLE  
SMOKE DETECTION.  
REDUCE DOWNTIME AND  
OPERATIONAL COSTS.

- RELIABLE PERFORMANCE
- HASSLE-FREE DESIGN
- EASIER INSTALLATION
- FASTER COMMISSIONING
- SIMPLER MAINTENANCE
- ENHANCED USER EXPERIENCE



# 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 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

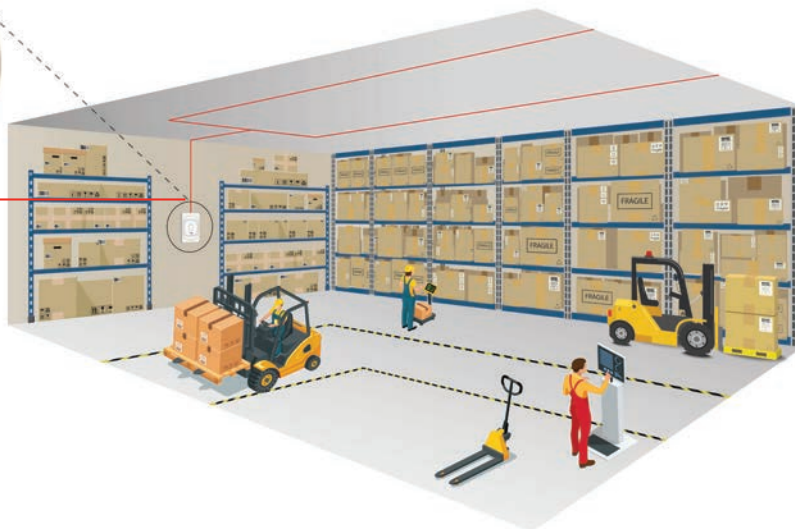
address both challenges.

## 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.



A sample of air is then passed into FAAST FLEX'S detection chamber for analysis.



Air is drawn in through a speed adjustable aspirator. Each pipe inlet features an airflow sensor that monitors airflow changes in the pipes.



# 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.

## Reliable performance

- Consistent smoke detection with minimum nuisance alarms.
- Advanced ultrasonic flow sensing technology, enabling accurate and consistent flow detection.

## Easier installation

- Pre-engineered pipe networks making design and installation fast and effortless.
- Screwless assembly, ample wiring space and flexible mounting options thanks to an innovative reversible cover.

## Faster commissioning

- Out-of-box operation with a built-in user-friendly configuration.
- Extended configuration and test, thanks to a Bluetooth® interface with a mobile App.

## 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

- Bluetooth interface with mobile App for remote control, enabling status monitoring, rapid diagnostics and trouble-shooting.

## Compatibility with cold storage

- -40 °C operating temperature.



## APPLICATIONS

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

- Small-to-medium warehouses
- Refrigerated storage facilities
- Elevator shafts
- Ceiling and underfloor voids
- Transformer and electrical rooms



# FAAST FLEX™

## TECHNICAL SPECIFICATIONS

### Architect/Engineer Specifications

#### Electrical Specifications

<b>Detector Dynamic Sensitivity</b>	
<b>Supply Voltage</b>	24Vdc (18 - 30Vdc)
<b>Maximum Power Consumption</b>	<b>Single Channel Model:</b> 400mA @24Vdc <b>Dual Channel Model:</b> 450mA @24Vdc
<b>Relays</b>	3 per channel, Action, Alarm and Fault 2A @30V
<b>Detector Sensitivity Range</b>	0.05%obs/m to 6.56%obs/m (0.164%obs/ft – 21.5%obs/ft)

#### Environmental Specifications

<b>Operating Conditions</b>	
<b>Operating Temperature</b>	-40 °C to 55 °C
<b>Sampled Air Temperature</b>	-40 °C to 55 °C
<b>Humidity</b>	10-93% RH
<b>Ingress Protection Rating</b>	IP40

#### Mechanical Specifications

<b>Dimensions (WHD)</b>	205mm X 280mm X 80.5mm
<b>Weight</b>	1.7Kg
<b>Display Panel</b>	LED

#### General Specifications

<b>Flow Sensor Number</b>	1 per channel
<b>Level of Alarm</b>	Action and Alarm per channel
<b>Fan Setting</b>	Adjustable
<b>Area Coverage</b>	<b>Single Channel Model:</b> 1,600m <sup>2</sup> (17,200 sq.ft) <b>Dual Channel Model:</b> 2,000m <sup>2</sup> (21,527 sq.ft)
<b>General Purpose Input (GPI)</b>	Reset, Disable, External Fault
<b>Out-of-Box Configuration</b>	DIP Switches

<b>Pipe Network Layout</b>	<b>Single Channel Model:</b>	Linear pipe length:	1 x 105m (344 ft)
		Branch pipe length:	2 x 105m (344 ft) 4 x 68m (223 ft)
	<b>Dual Channel Model:</b>	Linear pipe length:	2 x 105m (344 ft)
		Branch pipe length:	4 x 105m (344 ft) 8 x 49m (161 ft)
<b>Sampling Holes</b>		<b>Single Channel Model:</b> A, B, C: 5, 15, 32	
		<b>Dual Channel Model:</b> A, B, C: 8, 28, 56	
<b>Field Replaceable Components</b>		Sensing Module, Metal Filter, Front Cover, Aspirator, Internal Covers and Adaptor Set	
<b>Data Logging</b>		Device Info, Device Configuration, Device Status Logged Events and Data	
<b>Communication</b>		USB & Bluetooth	

### Ordering Information

Ordering Code	Description
<b>FLX-010</b>	FAAST FLEX 1-pipe Stand-alone
<b>FLX-020</b>	FAAST FLEX 2-pipe Stand-alone
<b>FLX-010-NF</b>	FAAST FLEX 1-pipe Stand-alone (NF)
<b>FLX-020-NF</b>	FAAST FLEX 2-pipe Stand-alone (NF)
<b>FLX-SP-01</b>	FAAST FLEX Sensing Module
<b>FLX-SP-02</b>	FAAST FLEX Metal Filter (pack of 6)
<b>FLX-SP-03-EN</b>	FAAST FLEX Front Cover (EN)
<b>FLX-SP-03-CH</b>	FAAST FLEX Front Cover (CH)
<b>FLX-SP-04</b>	FAAST FLEX Aspirator
<b>FLX-SP-05-EN</b>	FAAST FLEX Internal Covers Set (EN)
<b>FLX-SP-05-CH</b>	FAAST FLEX Internal Covers Set (CH)
<b>FLX-SP-06</b>	FAAST FLEX Adaptor Set

## ABOUT XTRALIS



Xtralis is a leading global provider of powerful solutions for the very early & 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-valued and irreplaceable assets and infrastructure belonging to the world's top governments and businesses.

**To learn more, please visit us at [www.xtralis.com](http://www.xtralis.com)**