

# ASPIRATING SMOKE DETECTION

FAAST FLEX™

**CHOOSE RELIABLE SMOKE DETECTION.  
REDUCE DOWNTIME AND OPERATIONAL COSTS.**

- Reliable performance
- Hassle-free design
- Easier installation
- Faster commissioning
- Simpler maintenance
- Enhanced user experience



**Honeywell**



# PROTECT YOUR WAREHOUSING BUSINESS

## With FFAST 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 FFAST FLEX Aspirating Smoke Detection (ASD) from Honeywell comes in.

FFAST 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?

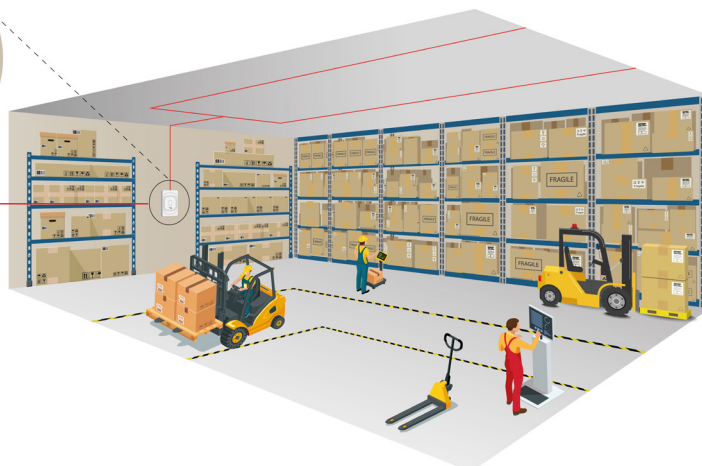
Warehouses often consist of large, open spaces. Here, air movements and stratification may dilute or disperse smoke, preventing it from reaching traditional point (spot) detectors on the ceiling. By the time smoke is finally detected, it may already be too late to prevent disruption to business operation 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 FFAST FLEX ASD, you can address both challenges.

### WHAT MAKES FFAST FLEX ASD DIFFERENT?

FFAST 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 FFAST 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 FAST

There are many reasons why FFAST 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 AND LOW- NOISE ENVIRONMENTS

- -40°C operating temperature.
- Quiet operation (30db) with adjustable fan speed.



## APPLICATIONS

FFAST 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

# Technical Specifications

## ARCHITECT/ENGINEER SPECIFICATION

### ELECTRICAL SPECIFICATION

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

### ENVIROMENTAL SPECIFICATION

OPERATING CONDITIONS	
Operating Temperature	-40 °C to 55 °C
Sampled Air Temperature	-40 °C to 55 °C
Humidity	10-93% RH
Ingress Protection Rating	IP40

### MECHANICAL SPECIFICATION

Dimensions (WHD)	280mm X 205mm X 80.5mm
Weight	1.7 Kg
Display Panel	LED

## ORDERING INFORMATION

ORDERING CODE	DESCRIPTION
FLX-010	FAAST FLEX 1-pipe Stand-alone
FLX-020	FAAST FLEX 2-pipe Stand-alone

## SPARE PARTS INFORMATION

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-04	FAAST FLEX Aspirator
FLX-SP-05-EN	FAAST FLEX Internal Cover Set (EN)
FLX-SP-06	FAAST FLEX Adaptor Set

### GENERAL SPECIFICATION

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)		
Pipe Network Layout	Single Channel Model:	Linear pipe length:	1 x 105m (344 ft)
		Branch pipe length:	2 x 105m (344 ft)
			4 x 68m (223 ft)
	Dual Channel Model:	Linear pipe length:	2 x 105m (344 ft)
		Branch pipe length:	4 x 105m (344 ft)
			8 x 49m (161 ft)
Sampling Holes	Single Channel Model: A, B, C: 5, 15, 32		
	Dual Channel Model: A, B, C: 8, 28, 56		
General Purpose Input (GPI)	Reset, Disable, External Fault		
Out-of-Box Configuration	DIP Switches		
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		

THE  
FUTURE  
IS  
WHAT  
WE  
MAKE IT