

Aspirating Smoke Detection PRODUCTS



Accessories
Piping
Conventional and
Intelligent Detectors





FAAST

FIRE ALARM ASPIRATION SENSING TECHNOLOGY®

Today's organizations depend on multiple complex systems. From the business systems that manage data to the building systems that manage facilities to the fire systems that protect people and property, all must work together to ensure the successful operation of an organization.

As the world leader in smoke detection technology, we know how important it is for Early and Very Early Warning Fire Detection to work seamlessly with existing systems. That's why we designed the **FAAST aspirating smoke detector line** with features and flexibility that reduce the cost and complexity of integration, simplify installation and management, and greatly enhance the safety, continuity and ongoing operations of the facilities, processes and systems it protects.

FAAST easily integrates with existing fire systems and building management systems with no extra hardware or software required. Its patented filtering and sensing technologies provide the earliest and most accurate detection available. And its enhanced communications capabilities and customizable settings provide the functionality and flexibility to meet the needs of a wide variety of applications and detection strategies.

If you have an application that requires highly accurate, highly sensitive, and highly customizable aspirating smoke detection without all the complexity, look inside and learn how FAAST can be one of the most valuable investments you make for any business or organization.



FAAST in Challenging Applications

Mission Critical

For these environments, there is no downtime. Every second lost, every transaction missed, any data or equipment destroyed can mean huge financial losses. FAAST alerts facility managers to the faintest traces of smoke – the first indication of system trouble – helping them keep their mission critical facilities up and running 24/7 and preventing unnecessary activation of suppression systems.

First Impressions

When aesthetics matter, such as in museums, churches, or mansions, FAAST provides a discreet smoke detection solution that is nearly invisible to the public. At the same time, it provides the earliest and most accurate smoke detection available to protect high-value items from fire.

Access Denied

Some fire systems must protect areas, such as prisons and public spaces, where there is a concern for tampering. The FAAST device can be mounted in a secure area while air sampling points are located in the protected environment – greatly minimizing the potential for tampering.

The Great Indoors

In large public areas like shopping malls, airports, or stadiums, evacuations can be difficult. FAAST provides highly accurate fire detection for these areas to avoid nuisance alarms, and various levels of alert to mount an appropriate, informed response to any situation.

The Extremes

Areas with extreme temperatures and environments which have high amounts of airborne particulate or chemicals present may preclude the use of traditional detection technologies. FAAST's ability to filter out nuisance particles, and the ability to mount the device remotely, enables superior detection in difficult environments.



FAAST Value

Intelligence and Integration

Intelligent FAAST detectors communicate directly to the Signaling Line Circuit (SLC) of major fire alarm control panels – just like any other detection device on the loop. All FAAST detectors also come standard with Modbus/TCP communication, allowing seamless integration with building management systems. These integration capabilities greatly simplify the design, purchase, and installation of the FAAST aspirating smoke detection system.

Dual Vision. Single Purpose.

FAAST's dual vision sensing technology uses a blue LED to detect a wide variety of fires with extremely low concentrations of smoke and an infrared laser to identify nuisances like dust that can cause false alarms and downtime. Advanced algorithms interpret signals from both sources to meet a single purpose – protect your facility, people, and assets with the earliest and most accurate smoke detection available.

All In One

FAAST's all-in-one system configuration and monitoring software, PipeIQ, guides you through initial pipe layout and system configuration. And once the system is installed, it enables ongoing configuration and system monitoring from anywhere in the world via the Internet using FAAST's onboard Ethernet connection. A complimentary download of PipeIQ is available at systemsensor.com/faast.

Details, Details

FAAST provides you with the information you need to manage your environment. It includes 5 alarm levels, 10 pre-alarm particulate levels, and a 10-level airflow pendulum that verifies air is flowing effectively through the pipe network. It also includes a full range of fault indications. All of this information can be read quickly and easily on the device's intuitive integral display* or through a variety of remote devices.

***FAAST Spanish User Interface Card is available. See the ordering information on page 6 under "Aspiration Accessories"**

Anytime, Anywhere

If there's a situation at your facility, you need to know about it instantly. FAAST's unique onboard Ethernet interface enables you to monitor the detector from any Internet browser, smart phone, or mobile device with VPN capability. You can also configure the detector to e-mail status updates to appropriate personnel. That means you'll know what you need to know to protect your facility – no matter where you are.





FAAST Fire Alarm Aspiration Sensing Technology

Aspirating Smoke Detectors

FAAST aspirating smoke detectors deliver highly accurate Very Early Warning Fire Detection and extensive communications capabilities to provide maximum control over challenging environments.

FAAST Fire Alarm Aspiration Sensing Technology

8100	Conventional FAAST with Modbus/TCP protocol
8251F	Intelligent FAAST with CLIP protocol*

*All models ship standard with Modbus connectivity.



User Interface Display

ASPIRATION

The User Interface consists of 5 Alarm levels – Alert, Action 1, Action 2, Fire 1, and Fire 2, 10 Particulate levels, 10 Bi-color Flow and Fault graph.

Aspiration Accessories

Complete aspiration pipe networks with CPVC pipe, fittings and related accessories.



Accessories

P-PIPE-210	15 ft. lengths, 3/4" Orange CPVC pipe, 14 pieces, 210 ft. Total Length
P-ELB-90	90 degree CPVC Elbow, 3/4", Socket to Socket, qty. 20
P-ELB-45	45 degree CPVC Elbow, 3/4", Socket to Socket, qty. 10
P-TEE	90 degree CPVC Tee, 3/4", Socket to Socket, qty. 15
P-COUPLING	CPVC Socket Union, 3/4", qty. 10
P-ENDCAP	CPVC End Cap, 3/4", qty. 25
P-LABEL-P	Sampling Point Labels, roll of 100
P-LABEL-T	Pipe Labels, roll of 100
P-SAMP-KT	Sampling Kit
F-A3384-000	Replacement 8000 Series Air Filter
F-LCARD-SP	FAAST Spanish User Interface Card (5 pack)

PipeIQ[®] Design, Configuration, and Monitoring Software

What is PipeIQ?

PipeIQ is the all-in-one system design, configuration and monitoring software for the System Sensor FAAST aspirating smoke detector. It guides users through pipe design and system configuration for a FAAST aspiration system. Once the system is installed, PipeIQ enables continual configuration and system monitoring from anywhere in the world via the Internet using FAAST's onboard Ethernet connection.

Ease of Design

Using PipeIQ, a designer can complete the pipe network layout, verify hole sizes and detection sensitivity, and obtain a Bill of Material and Layout Report.

The software also includes a Pipe Wizard that can guide users through the pipe network design process. The wizard asks a series of questions about the area under protection and designs a pipe network tailored to the space. A great tool for inexperienced designers, the Pipe Wizard is also suitable for quickly designing a pipe network for less complex rectangular spaces and to create an initial layout for more complex spaces that will require additional design.

Ease of Use

After the system is commissioned, PipeIQ supports FAAST systems with trend graphs, reports, and data storage options. It also includes a robust built-in help guide that makes troubleshooting quick and easy.

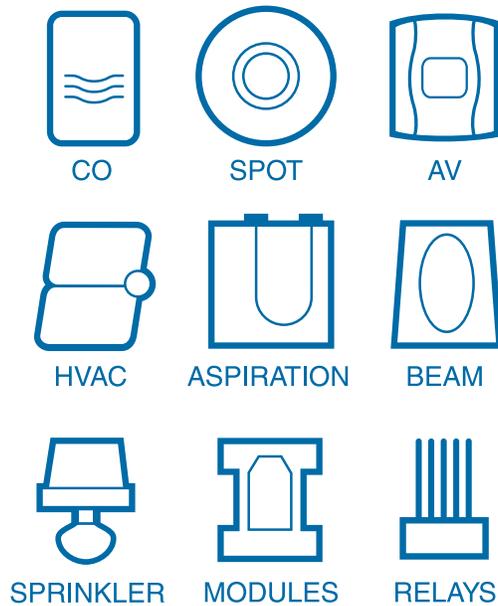


ASPIRATION

FAAST Networking and Connectivity

The FAAST series of aspirating smoke detectors are equipped with an onboard Ethernet port for network connectivity. This interface permits a number of intriguing remote monitoring possibilities, including the ability to receive alarm and fault notifications via e-mail. The detector has been designed to operate with common network technologies, including Modbus.

For more information on how FAAST can connect to your network, visit systemsensor.com/faast.



Founded in 1984, System Sensor is a global manufacturer of fire and life safety devices, specializing in smoke detection, carbon monoxide detection, and notification technology. System Sensor develops products for real-world applications worldwide. With sales, service, and manufacturing facilities throughout the Americas, Europe, and Asia, System Sensor places a premium on research and development to provide the most reliable, innovative, and comprehensive line of products in the industry.



www.systemsensor.com/faast

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