

# Farenhyt



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by Honeywell

## Fire Alarm Aspiration Sensing Technology®

### FAAST XS

#### General

FAAST XS aspirating smoke detectors deliver highly accurate Very Early Warning Fire Detection over a wide coverage area and offer extensive communication capabilities.

The FAAST XS aspirating smoke detector combines advanced particle separation with unique dual source optical smoke detection technology to provide highly sensitive Very Early Warning Fire Detection while providing enhanced immunity to false alarms. This technology enables FAAST XS to accurately detect incipient fire conditions as early as 60 minutes before a fire actually starts when set for Early Warning and Very Early Warning Fire Detection in applications ranging from mission critical to harsh and extreme environments.

An installed FAAST XS device can protect up to 5,000 sq. ft. (464 sq. m) in standard coverage type applications and can be monitored in several different ways, including: Serial or TCP Modbus, Ethernet over a LAN or a direct connection, or via FAAST XS's onboard USB. When connected to a LAN, FAAST XS's email server can provide email event notification to appropriate personnel. FAAST XS also communicates alarm and notifications via form C relays.

PipelQ® is FAAST XS's intuitive design, configuration, and monitoring software. The all-in-one program can be used to create a pipe network tailored to meet site specific requirements, configure a FAAST XS device, and monitor an installed device -- including live trending and reading of historic reports.

\* A complimentary download of PipelQ is available at [systemsensor.com/faast](http://systemsensor.com/faast).

#### Features

- Provides Very Early Warning Fire Detection, as precise as 0.00029%/ft obscuration
- Three alarm levels and three sensitivity modes provide application flexibility
- User configurable 3-speed fan, allowing for maximum coverage area or minimizing on current consumption
- Ultrasonic flow sensing and chamber airflow monitoring for precise system health information
- A single device covers up to 5,000 square feet (464 sq. m)
- Dual source optical detection chamber with enhanced algorithms provide high sensitivity with greater immunity to nuisance conditions

#### Agency Listings



FAAST XS

- Patented particle separator removes large, non-fire particulate, ensuring chamber health and extending the life of the field-replaceable filter
- TCP and Serial modbus for easy integration with building management systems
- Easy configuration via USB interface, no external power needed
- Onboard Ethernet interface enables remote monitoring, configuration, web server and e-mail notifications
- Multilingual LCD user interface allows for detailed device information and interaction such as: Active faults, precise airflow monitoring, reset of airflow baseline, test/reset/isolate, and more
- Configurable air flow fault thresholds and verification period
- Convenient wiring compartment
- Status-at-a-glance provides immediate alarm, fault and airflow status

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### FAAST XS User Interface Display

The User Interface consists of 3 Alarm levels – Alert, Fire 1, and Fire 2, 10 Particulate levels, 10 Airflow indicators, 4 Fault indicators, LCD.

## Specifications

### Electrical

External Supply Voltage	18-30 VDC
Remote Reset Time	External monitor must be pulled low for a minimum of 100 ms
Power Reset	1 sec.
Operating Current	Fan High - 200mA, 4.8W Fan Med - 151mA, 3.7W Fan Low - 120mA, 2.1W
Alarm Current	Fan High - 230mA, 5.6W Fan Med - 172mA, 4.2W Fan Low - 142mA, 3.5W
Relay Contact Ratings	3.0 A @ 30 VDC, 0.5 A @ 125 VAC 8 form C, 3 AMP, programmable latching or non-latching

### Environmental

Operating Temperature	32°F (0°C) to 100°F (38°C)
Sampled Air Temperature	-4°F (-20°C) to 140°F (60°C)
Humidity Range	10 to 95% (non-condensing)
Sensitivity Range	0.00029% Obs/ft to 6.25% Obs/ft (0.00095% Obs/m to 20.5% Obs/m)
IP Rating	IP30
Coverage Area	5,000 sq.ft. (464 sq.m)
Air Movement	0-4,000 ft./min. (0-1,219 m/min.)

### Physical

Dimensions	9" W x 11" H x 6.25" D (33.274 x 33.783 x 19.050 cm)
Cable Access	3 1-inch (2.54 cm) cable entry holes on top and bottom of unit
Wire Gauge	12 AWG (2.05 mm) max. to 24AWG (0.5 mm) min.
Max Single Pipe Length	180 ft. (54.9 m) *all designs must be verified within PipelQ software

Outside Pipe Dim	1.050 inches, IPS (25 mm)
Internal Pipe Dim	0.591 to 0.827 inches (15-21 mm)
Relays	5 form C, 3 AMP, programmable latching or non-latching

### Diagnostic Specifications

Event Log	18,000 events stored
Trend Data Log	Configurable sampling period 1 minute to 1 day
Service Log	300 custom user entries

### Networking Specifications

Communication Network	Ethernet monitoring, 6 email address alerts, TCP and Serial Modbus
Network Services	DHCP, SMTP, HTTP, MODBUS/TCP, AutoIP, NetBIOS-NS, Serial MODBUS
Ethernet	10/100Mbps, MDI-X
Modbus	TCP or Serial RS-485
Email	6 recipients, selectable notifications
Webserver	Read Configuration, Live View, Logs

### Configuration Specifications

PipelQ	USB or Ethernet
Modbus	Ethernet or RS-485

### Ordering Information

7100X	System Sensor Conventional FAAST Fire Alarm Aspiration Sensing Technology
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### Accessories

Various†	UL - Approved Pipe and Fittings
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† Additional accessory information, including part numbers, can be accessed at [systemsensor.com/faast](http://systemsensor.com/faast).

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact

Silent Knight 12 Clintonville Road, Northford, CT 06472-1610  
Phone: (800) 328-0103, Fax: (203) 484-7118. [www.farenhyt.com](http://www.farenhyt.com)