9400X (FAAST XT)

Conventional Fire Alarm Aspiration Sensing Technology®

NOTIFIER® by Honeywell

Conventional Smoke Detectors

General

The FAAST XT 9400X adds to the FAAST line of aspirating smoke detectors, providing a four pipe solution that can protect up to 28,800 sq. ft. (2,676 sq. m) in standard coverage applications.

The FAAST XT conventional aspirating smoke detector combines dual-source (blue LED and infrared laser) optical smoke detection with advanced algorithms to detect a wide range of fires while maintaining enhanced immunity to nuisance particulates.This enables the FAAST XT to accurately detect incipient fire conditions as early as 30 to 60 minutes before a fire actually starts for Early Warning Fire Detection and Very Early Warning Fire Detection. For initial system creation, the PipeIQ® software guides users through pipe layout. The software also provides intuitive control over system configuration and ongoing system monitoring. An installed device can be monitored through its integral display, from a computer connected to the device, or remotely through a computer browser or mobile device when the detector is connected to a network, or by Modbus/TCP protocol over Ethernet. When Internet-connected, the FAAST XT can also e-mail status updates to appropriate personnel. The detector can communicate alarm levels, urgent and minor faults, and isolate inputs via eight form C relays. To enable a full detection strategy, the FAAST XT combines its advanced communications capabilities with an extensive range of customizable settings. The detector provides five alarm levels that can be programmed for latching or non-latching relays. To accommodate specific codes or environments, alarm delays can be set anywhere between 0 to 60 seconds. The FAAST XT also supports three sensitivity modes. In Acclimate™ mode, the detector automatically adjusts itself to current environmental conditions to reduce nuisance alarms. Day/Night/Weekend mode enables technicians to preset alarm thresholds based on routine changes in the environment.

Features

- Detection as precise as 0.00046%/ft obscuration.
- Five alarm levels and two sensitivity modes provide application flexibility.
- Dual flow detection including both ultrasonic and electronic sensing for pipe and chamber air flow measurement.
- A single device protects up to 28,800 square feet.
- User configurable 3-speed fan, allowing for maximum coverage area or minimizing current consumption.
- Advanced detection algorithms reject common nuisance conditions.
- Patented particle separator and field-replaceable filter remove contaminants from the system.
- PipeIQ™ software provides intuitive system layout, configuration, and monitoring all in one package.
- Using the onboard Ethernet interface, you can 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.
- Monitoring and configuration can also be accomplished using Modbus/TCP protocol over Ethernet.
- Fault indicators exhibit a broad spectrum of events.



- Unique air flow pendulum graph verifies pipe network functionality.
- Particulate graph displays subtle environmental changes for early problem indications.
- 5 programmable alarm levels for latching or non-latching as well as a 0 to 60 second delay to best accommodate local codes or environments.
- At startup the FAAST XT self-adapts to its environment in just 24 hours, not weeks. The exclusive Acclimate mode automatically adjusts within your specified parameters to reduce nuisance alarms and adjust to current conditions.
- Comprehensive, simple and intuitive, multi-lingual LCD display has real-time, quick-read information at the device including five alarm levels, ten particulate levels, air flow, power and a wide range of faults to quickly identify the problem for prompt correction.

Specifications

ELECTRICAL SPECIFICATIONS

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.

Avg. Operating Current: Fan High - 465mA, 11.2W; Fan Med - 340mA, 8.2W; Fan Low - 220mA, 5.3W.

Alarm: Fan High - 493mA, 11.85W; Fan Med - 368mA, 8.85W; Fan Low - 248mA, 6W.

Relay Contact Ratings: 3.0 A @ 30 VDC, 0.5 A @ 125 VAC.

ENVIRONMENTAL RATINGS

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).

IP Rating: IP30.

Coverage Area: 28,000 sq. ft. (2,676 sq. m).

Air Movement: 0-4,000 ft./min (0-1,219 m/min).

PHYSICAL SPECIFICATIONS

Height: 13.3 inches (33.8 cm).

Width: 13.1 inches (33.3 cm).

Depth: 7.5 inches (19.1 cm).

Relays: 8 Form C, 3 AMP, programmable latching or non-latching.

Communication Network: Ethernet monitoring, 6 E-mail address alerts, Modbus/TCP.

Cable Access: 4 1-inch (2.54 cm) cable entry holes on top and bottom of unit.

Wire Gauge: 12 AWG (2.05 mm) max. to 24 AWG (0.5 mm) min.

Maximum Single Pipe Length: 400 ft. (123 m) **Other three pipes disabled.*

Total Pipe Length: 1050 ft. (320 m) **All designs must be verified within PipeIQ software.*

Network Outside Pipe Diameter: 1.050 inches, IPS (25 mm).

Internal Pipe Diameter: 0.591 to 0.827 inches (15-21 mm).

Sensitivity Range: 0.00046%/ft. obs 6.25%/ft. obs. (0.0015% Obs/m to 20.5% Obs/m).



User Interface Display

Event Log: 18,000 events stored.

Shipping Weight: 11.8 lbs. (5.4kg), includes packing material.

User Interface Display:

- Five alarm levels (Alert, Action 1, Action 2, Fire 1, and Fire 2).
- Ten particulate levels.
- Ten bi-color flow.
- Fault graph.

Agency Listings and Approvals

The listings and approvals below apply to Intelligent FAAST Series components. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL Listed:** S911.
- **ULC Listed:** S911.
- **FM** approved.

Product Line Information

9400X: FAAST XT Conventional aspirating smoke detector.

F-A3384-000: Replacement Air Filter.

P-PIPE-210: CPVC Pipe (210 feet total).

P-COUPLING: Coupling (15 each).

P-ELB-45: 45° Elbow (10 each).

P-ELB-90: 90° Elbow (20 each).

P-ENDCAP: End Cap (25 each).

P-TEE: Tee (15 each).

P-UNION: Union (10 each).

P-LABEL-P: Pipe Label (100 each).

P-LABEL-T: Sampling Point Labels (100 each).

P-SAMP-KT: Sampling Point Kit (10 sets).

HP300ULX: Power Supply, 12/24VDC, 2.4 A DC.

PipeIQ *software is available for download at no charge at: systemsensor.com/faast*

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