FAAST XT

Fire Alarm Aspiration Sensing Technology®

Description

The FAAST XT 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 XT to accurately detect incipient fire conditions in Classes A and B as early as 60 minutes before a fire actually starts, in applications ranging from mission critical to harsh and extreme environments.

An installed FAAST XT device can protect up to EN54-20, Class A 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 XT's onboard USB. When connected to a LAN, FAAST XT's email server can provide email event notification to appropriate personnel.

FAAST XT also communicates alarm and notifications via form C relays. PipeIQ® is FAAST XT'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 XT device, and monitor an installed device - including live trending and reading of historic reports.

FM APPROVED

SIGNALING UL LISTED S911

ULC

VdS G217094

A complimentary download of PipeIQ is available at www.faast-detection.com.

FEATURES

- Approved to EN 54-20 in Class A, B and C
- Provides Very Early Warning Fire Detection, as precise as 0,00095 %/m
- Five 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 for each pipe inlet and chamber airflow monitoring for precise system health information
- Dual source optical detection chamber with enhanced algorithms provide high sensitivity with greater immunity to nuisance conditions
- Patented particle separator removes large, non-fire particulate, ensuring chamber health and extending the life of the fieldreplacable 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

FAAST XT Architect/Engineer Specifications

PHYSICAL SPECIFICATION	
HEIGHT	338 mm
WIDTH	333 mm
DEPTH	191 mm
CABLE ACCESS	25.4 mm cable entry holes on top, bottom, and back of the unit
WIRE GAUGE	2.05 mm max. to 0.5 mm min.
MAXIMUM SINGLE PIPE LENGTH	120 m (other three pipes disabled)
TOTAL PIPE LENGTH	480 m (all designs must be verified within PipeIQ software)
OUTSIDE PIPE DIAMETER	IPS 25 mm
RELAYS	8 form C, 3 AMP, programmable latching or non-latching
OPERATING SPECIFICATIONS	
OPERATING TEMPERATURE	0°C to 38°C; Factory Tested to 55°C
SAMPLED AIR TEMPERATURE	-20°C to 60°C
HUMIDITY RANGE	10 to 95% non-condensing
SENSITIVITY RANGE	0.00095% Obs/m to 20.5% Obs/m
IP RATING	IP30
COVERAGE AREA	Depands on the appropirate national standard
AIR MOVEMENT	0-1,219 m/min.
DIAGNOSTIC SPECIFICATION	
EVENT LOG	18,000 events stored
TREND DATA LOG	Configurable sampling period 1 minute to 1 day
SERVICE LOG	300 customer user entries
NETWORKING SPECIFICATION	
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
ELECTRICAL SPECIFICATION	
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 - 465mA, 11.2W; Fan Med - 340mA, 8.2W; Fan Low - 220mA, 5.3W
ALARM CURRENT	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 8 form C, 3 AMP, programmable latching or non-latching

ENVIRONMENTAO SPECIFICATIONS	
OPERATING TEMPERATURE	-10°C to 55°C
HUMIDITY RANGE	10% to 93% (non condensing)
IP RATING	65
ORDERING INFORMATION	
PART NO.	Description
9400XE	System Sensor Conventional FAAST Fire Alarm Aspiration Sensing Technology
ACCESSORIES †	Pipes, Fittings and accessories are available to support the installation

† Additional accessory information, including part numbers, can be accessed at systemsensor.com/faast

CONFIGURATION SPECIFICATION	
PIPEIQ	USB or Ethernet
MODBUS	Ethernet or RS-485
LISTINGS AND APPROVALS	
FINAL INFORMATION WILL FOLLOW	
EN 54-20: MAXIMAL NUMBER OF HOLES:	
- CLASS C: 60	
- CLASS B: 40	
- CLASS A: 40	

FAAST XT User Interface Display

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.

Honeywell
140 Waterside Road
Hamilton Industrial Park
Leicester
LE5 1TN
Tel: +44 (0) 116 246 2000
Fax: +44 (0) 116 246 2300
Email: hlsuksalessupport@honeywell.com

DS9400XE-16 | 2 | 03/17

Honeywell