FAAST™ Fire Alarm
Aspiration Sensing Technology Model XM

- ✓ **Detection as precise as 0,00095 % obs/m**
- ✓ **Five alarm levels and two sensitivity modes**
- ✓ **Ultrasonic and electronic sensing for pipe and chamber air flow measurement**
- ✓ **One single device protects up to 1,600 m²**
- ✓ **Advanced detection algorithms reject common nuisance conditions**
- ✓ **Patented particle separator and field-replaceable filter**
- ✓ **PipeIQ™ software provides intuitive system layout, configuration, and monitoring**
- ✓ **Integral Ethernet interface enables remote monitoring and e-mail status updates**
- ✓ **Fault indictors provide a broad spectrum of events**
- ✓ **Unique air flow pendulum graph verifies pipe network functionality**
- ✓ **Particulate graph displays subtle environmental changes**

Description

The FAAST™ Aspirating smoke detector combines dual source (blue LED and infra-red laser) optical smoke detection with advanced algorithms to detect a wide range of fire types while maintaining enhanced immunity to nuisance particulates. This enables FAAST™ to accurately detect incipient fire conditions as early as 30 to 60 minutes before a fire actually starts in class A and Class B Fire Detection.

Every FAAST™ comes complete with PipeIQ™ to guide users through pipe layout, and provide intuitive control over system configuration and ongoing system monitoring. When installed FAAST™ 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 the Internet via its Ethernet port. 18,000 events are logged. When Internet-connected, FAAST™ 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, FAAST™ combines its advanced communications capabilities with an extensive range of customisable settings. The detector provides five alarm levels that can be programmed for latching or non-latching relays.

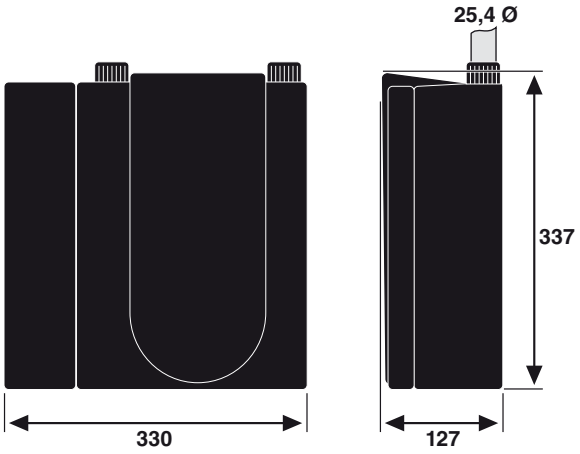
Alert • Action 1 • Action 2 • Fire 1 • Fire 2

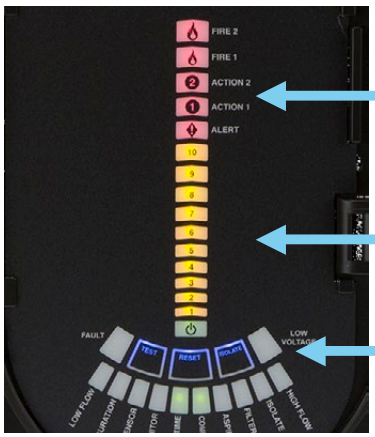
Displayed are also:

10 Particulate levels

10-step bi-colour flow and fault graph.

To accommodate specific codes or environments, alarm delays can be set anywhere between 0 to 60 seconds. FAAST™ also supports two 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.





Fire 1
Fire 2
Action 1
Action 2
Alert

10 Particulate levels

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10-step bi-colour
flow and fault graph

Specifications

Operating Voltage	18 ... 30 V DC
Remote Reset Time	External monitor must be pulled low for a minimum of 100 ms
Power Reset	1 sec.
Average Operating Current	415 mA @ 24 V DC
Alarm	465 mA @ 24 V DC – All relays active, all alarm levels displayed
Maximum Current Draw	650 mA Voltage at 18 V DC
Intake Point Diameter	12 AWG (2.0 mm) max. to 24 AWG (0.5 mm) min.
Maximum Single Pipe Length	120 m
Maximum Total Branched Pipe Length	320 m
Maximum Air Intake Holes	36 holes
Network Outside Pipe Diameter	25 mm
Internal Pipe Diameter	15-21 mm
Coverage Area	Up to 1,600 m^2
Sensitivity Range	0,00095 % obs/m – 20.5 % obs/m
Relays	8 form C, 3 AMP, programmable latching or non-latching
Sound Level	Starting from 41 dB(A)
Operating Temperature	-10 °C ... 55 °C
Sampled Air Temperature	-20 °C ... 60 °C
Humidity Range	10 ... 95 % (non-condensing)
IP Rating	IP30
Cable Access	2.54 cm cable entry holes on top and bottom of unit
Dimensions	W: 330 mm H: 337 mm D: 127 mm

Order information	**Part No.**
Aspirating smoke detector FAAST XM	8100E
Display foil set incl. German, Italian, French and Dutch	F-A-LC-A
FAAST XM replacement air filter	F-A3384-000

Part No.D800028.G0 • 03/2016 • Technical information is subject to change without notice!

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