FAAST™

Fire Alarm Aspiration Sensing Technology

Competitive Matrix

Features	System Sensor FAAST™ 8100	Xtralis VESDA Laser COMPACT VLC-500	Xtralis VESDA VLF 500
Light Source	Dual source — blue LED and second infra-red laser	Single laser light source	Single laser light source
Sensitivity Rating	Unsurpassed sensitivity 0.00046%/ft. (0.0015%/m)	0.0015%/ft (0.005%/m)	0.008%/ft (.025%/m)
Nuisance Rejection	Dual source optical smoke detection — blue LED for detection and Infra-red laser for dust detection and nuisance rejection combined with advanced algorithms	None	None
Multiple Alarm Outputs	5 Levels: Alert, Action 1, Action 2, Fire 1, Fire 2; each can be programmed for latching or non-latching as well as a 0 to 60 second delay to best accommodate the specific code or environment	3 Levels — Alert, Pre-Alarm, Fire	4 Levels — Alert, Action, Fire 1, Fire 2
Ability to Adapt to Environment	Exclusive Acclimate Mode: Automatically adjusts within your specified parameters to reduce false alarms and adjusts to current conditions	AutoLearn™	AutoLearn Smoke™, AutoLearn Flow™
Installation Adaptation Period	24 Hours; reduces installation cycle time	15 Days	15 Days
Integrated Communication	Ethernet connection — enables worldwide system monitoring via the internet	Not on-board — need VESDAnet VLC-505	General purpose input interface and RS232 programming port
Software Included	PipeIQ™ Software enables device configuration, pipe design and local/remote system monitoring	Aspire2 pipe layout software — separate monitoring/configuration software	Aspire2 pipe layout software — separate monitoring/configuration software
Event Notification	E-mail - Event notifications reach responsible individuals in real-time around the globe	Additional hardware and/or software required	Additional hardware and/or software required
Event Log	18,000 events	12,000 events	18,000 events
Smoke Detection Display	10 segment particle detection display in addition to 5 alarm lights: allows local personnel to monitor system for even minor changes	2 alarm display lights	10 segment particle/smoke dial plus 4 alarm lights
Flow Graph	10 segment flow indicator — allows personnel to monitor system proactively	None	None
Interactive Buttons	Test, reset and isolate	Reset, isolate button	Reset, Disable, Test, Instant fault finder, smoke and flow auto-learn Controls
Fault Indications	11 faults indicated with LEDs	One fault light	10 fault display
Relays	Eight Form C relays: 5 for the alarm levels, urgent and minor faults and 1 to isolate	Three relays — 2 alarm and 1 fault	Three relays — 2 alarm and 1 fault
Coverage Area	8,000 square feet	8,000 square feet	5,000 square feet
Single Pipe Length	262 feet (80 meters) or 40 holes	262 feet (80 meters) or 40 holes	150 feet (50 meters) or 24 holes
Branched Pipe Length (2)	165 feet (50 meters) or 20 holes	165 feet (50 meters) or 20 holes	90 feet (30 meters) or 12 holes
Integral Particle Separator	Patented particle separator removes larger contaminates before they enter the detection chamber extending the life of the device and filter	None	None
Filter	Patented internal filter and 30 micron field replaceable filter — filter can be easily replaced with common tools	Dual Stage dust filter requires certified technician for replacement	Dual Stage dual filter requires certified technician for replacement
Filter Life	4 year filter life	2 year filter life	2 year filter life
Power Requirements	500 mA	225 mA	410 mA
Pipe Network Connection	Device mounted upright can accept pipe from top or bottom — eliminates the need to mount device upside down for bottom pipe entry	Top only; Device must be mounted upside down for bottom pipe entry	Top only — device must be mounted upside down for bottom pipe entry