

9-30621

AirSense Stratos HSSD2 High Sensitivity Smoke Detector

Description

Stratos HSSD2 is designed to provide very high sensitivity smoke detection, ensuring the very earliest warning of incipient fire with minimum rate of nuisance alarms.

ClassiFire Perceptive Artificial Intelligence ensures that the detector operates at optimum sensitivity for the protected environment, without the need for complex setup. This means the product will configure itself to provide high sensitivity in a computer room or reduced sensitivity in a smoky area.

Upgradable volt-free Fire and Fault relay outputs are available for remote monitoring by local fire detection or BMS systems.

Typical Applications

- Data storage units
- Prison cells
- Plant rooms
- Air conditioning units
- Equipment racks
- Computer rooms
- Air duct protection
- Heritage property protection
- Critical equipment
- Anti-smoking enforcement
- Motor rooms

Options Available

- Addressable Protocol Interface Cards APIC™ available for Ziton protocol
- Command Module available for central monitoring and display
- SenseNet compatible - up to 127 detectors per loop
- Remote Display units available
- Suitable for MatrixScan, a patented software system which provides virtual addressable location detection - e.g. 10 physical detectors would provide up to 45 unique addressable locations.



Details

- High sensitivity provided by laser based forward light scatter for reliable early warning
- Combined sampling pipe up to 200m in length (still air)
- Unique ClassiFire® Perceptive Artificial Intelligence system that dynamically adjusts the detector's operating parameters, allowing for day to day changes in the protected environment and dust separation system contamination
- Unwanted alarms from dust are avoided using patented Dual Technology LDD 3D3 Laser Dust Discrimination and elimination system
- RS485 communications built in as standard for networking and remote communications
- Large area aspirating smoke detector, up to 2000m2 coverage
- CPR, LPCB, VdS, NF, CSIRO, UL & FM approved

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Especificaciones técnicas

General

Status indication	LED and LCD
Interfaz usuario	Keypad
Niveles de alarma	4 (Aux, Pre-alarm, Alarm and Alarm 2)

Eléctrico

Operating voltage	21.6 to 26.4 VDC
Current consumption	450 mA at fan speed 8

Detección

Principio de detección	Laser light scattering mass detection and particle evaluation
Range	0.0015% to 25% (%Obs/m)
Rango de sensibilidad de 0.003µ a 10µ partículas	

Tubo de muestreo

Longitud	100 m maximum single run (50 m in moving air), 200 m Combined maximum
Cantidad de entradas	4
Escape	1 (optional)

Entrada

Cantidad de entradas	3 - Programmable
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Salida

Cantidad de salidas	5 - Pre-Alarm, Alarm, Alarm2, Aux Alarm (n/o) and Fault (n/c)
Ratio y tipo de salida	500 mA @ 30 V

Físico

Dimensiones físicas	427 x 372 x 95 mm (W x H x D)
Peso neto	5.2 kg
Color	Crema
Tipo de Montaje	Montaje en pared
Entradas de cable	6 x M20
Material (caja)	Policarbonato

Medioambiental

Temperatura de funcionamiento	-10 to +60°C (EN54-20)
Relative humidity	0 to 90% noncondensing
Entorno	Interior
Clasificación IP	IP40

Regulador

Certificación	EN54-20, FM, UL
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Physical

Material	Sheet steel enclosure with plastic front cover
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Sampling pipework

Diameter	27mm OD
Holes	up to 100 holes



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