9-30671-ULF

AirSense Stratos Micra 25 High Sensitivity Smoke Detector - UL & FM

Description

The Stratos Micra 25 is designed to provide very high sensitivity smoke detection in a small package.

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.

The detector is designed to fit into a Docking Station. All sampling pipes and cables are connected to the Docking Station as a first fix operation leaving the detector to be fitted during the final commissioning phase if required. This ensures that detectors are less likely to be damaged during the installation.

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
- 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.

Detalles

- Ultra small low cost aspirating smoke detector for easy and discreet installation
- High sensitivity provided by laser based forward light scatter for reliable early warning
- 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
- UL listed and FM approved

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Especificaciones técnicas

General

Indicación de estado	LED
Niveles de alarma	4, Aux, Pre-alarm, Alarm and Alarm 2

Eléctrico

Voltaje de funcionamiento	21.6 to 26.4 VDC
Consumo de corriente	250 mA

Detección

Principio de detección	Laser light scattering mass detection and particle evaluation
Rango	(%Obs/m)
Rango de sensibilidad de particulas	0.003 to 10 µ

Tubo de muestreo

Longitud	50 m maximum run (25 m in moving air)
Cantidad de entradas	1
Escape	1 (optional)

Entrada

Cantidad de entradas	Optional input and relay expansion card

Salida

Cantidad de salidas	2, Alarm (N/O) and Fault (N/C) Optional input and relay expansion card
Ratio y tipo de salida	500 mA @ 30 V

Físico

Dimensiones físicas	145 x 220 x 85 mm (W x H x D)
Peso neto	1.7 kg
Color	Crema
Tipo de Montaje	Montaje en pared
Entradas de cable	2 x M20
Material (caja)	Carcasa de chapa de acero

Medioambiental

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

Regulador

Certificación	FM, UL

Sampling pipework

Diameter	27 mm OD

Networking

SenseNET (RS-485)	On-board

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