

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.



Details

- 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

Eléctrico

Voltaje de funcionamiento 21.6 to 26.4 VDC

Current consumption 250 mA

Detección

Principio de detección Laser light scattering mass detection and particle evaluation

Rango de sensibilidad de 0.003 μ to 10 μ partículas

Físico

Dimensiones físicas 145 x 220 x 85 mm (W x H x D)

Peso neto 1.7 kg

Colour Crema

Tipo de Montaje Montaje en pared

Cable entries 2 x M20

Material (body) Carcasa de chapa de acero

Medioambiental

Operating temperature -10 to +60°C (EN54-20)

Humedad relativa 0 to 90% noncondensing

Environment Interior

IP rating IP40

Regulador

Certificación FM, UL

Detection

Measurement range 0.0015% to 25% (%Obs/m)

Alarm levels 4 (Aux, Pre-alarm, Alarm and Alarm 2)

Sampling pipework

Inlets 1

Diameter 27mm OD

Exhaust 1 (optional)

Outputs

Standard 2 - Alarm (n/o) and Fault (n/c)

Rating 500mA @ 30V

Expansion Optional input and relay card

User interface

Indicators LED

Networking

SenseNET (RS-485) On-board



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