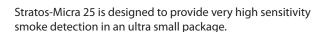
Stratos Micra 25

Aspirating Smoke Detector

- 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
- Single sampling pipe up to 50m 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
- Unwanted alarms from dust are avoided using patented Dual Technology
- LDD 3D³ Laser Dust Discrimination and elimination system
- EN54 Part 20 approved



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.

Volt-free contacts ensure compatibility with any fire alarm system.

TYPICAL APPLICATIONS

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



OPTIONS

- APIC™ Addressable Protocol Interface Cards available for most popular industry signalling protocols
- Command Module available for central monitoring and display
- SenseNet compatible up to 127 detectors per loop
- Remote Display units available
- Suitable for Stratos-MatrixScan, a patented software system which provides virtual addressable location detection – eg 10 physical detectors would provide up to 45 unique addressable locations
- Relay Input Card provides additional volt-free contacts plus 3 monitored inputs

APPROVALS

Approved/listed by most major international fire protection certification agencies.



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Aspirating Smoke Detector

SPECIFICATION

Supply Voltage	21.6V - 26.4V DC
Current consumption	250mA @ 24V DC
Size	145W x 220H x 85D
Weight	1.7kg
Operating temperature range	-10 to +38°C (UL268)
	-10 to + 60°C (CEA4022)
Operating humidity range	0 – 90% non-condensing
Sensitivity range	0.03% to 25% obs/m
Detection principle	Laser light scattering mass
	detection and particle evaluation
Particle sensitivity range	0.003μm to 10μm
Dust discrimination principle	3D ³ Laser Dust Discrimination
	(LDD)
Recommended max.	50m still air
sampling pipe length	25m moving air
Sampling pipe diameter	3/4" nominal bore
ENERGY OF CONTRACT	(27mm O/D)
EN54 Part 20 Certified number	Class A – 10 holes Class B – 10 holes
of sampling holes	Class C = 10 holes
Alarm levels	4 (Aux, Pre-alarm, Fire 1 and Fire 2)
Display LEDs	Fire, Fault, OK
Integral relays	Fire, Fault
eg.a. relays	For additional relays use 30436
	Relay Input PCB
Laser chamber service intervals	Greater than 10 years
Easer Charriber service intervals	(dependent on environment)
Programming	Command Module or
	PC via RS232/RS485
Network data bus	RS485
Maximum total data bus length	1.2 km
IP rating	IP50
Sampling pipe inlets	1
Exhaust air pipe outlets	1

ORDERING INFORMATION

Part No.	Description
30671	Stratos Micra 25
30760	Stratos Micra 25 c/w Relay Input Card
30750	Stratos Micra 25 Replacement Detector Module
30753	Stratos Micra 25 Replacement Docking Station
30436	Relay Input PCB
30755	Replacement Filter
30419	Serial PC Lead
30826	PS25 Power Supply



