



## 9-30725

### AirSense Micra 10 High Sensitivity Smoke Detector

#### Description

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The AirSense Micra 10 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

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- 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

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- Addressable Protocol Interface Cards APIC™ available
- Relay expansion card



#### Standard Features

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- 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 and dust separation system contamination
- Unwanted alarms from dust are avoided using patented Dual Technology LDD 3D3 Laser Dust Discrimination and elimination system

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### Specifications

<b>Supply</b>	
Voltage	21.6 to 26.4 Vdc
Current	250 mA
<b>Environmental</b>	
Operating temperature	-10°C to +60°C (EN54-20)
Relative humidity	0 to 90% RH (non condensing)
IP Rating	IP50
<b>Mechanical</b>	
Size	145mm (W) x 220mm (H) x 85mm (D)
Weight	1.7Kg
Colour	Cream
Material	Sheet steel enclosure
Cable entries	2 x M20
<b>Detection</b>	
Detection principle	Laser light scattering mass detection and particle evaluation
Particle sensitivity range	0.003µ to 10µ
Sensitivity range (%Obs/m)	0.3% to 25%
Alarm levels	4 (Aux, Pre-alarm, Alarm and Alarm 2)
<b>Sampling pipework</b>	
Inlets	1
Length	50m maximum run (25m in moving air)
Diameter	27mm OD
Amount of Class A holes (high sensitivity)	up to 2 holes
Amount of Class B holes (enhanced sensitivity)	up to 4 holes
Amount of Class C holes (normal sensitivity)	up to 10 holes
Exhaust	1 (optional)
<b>Outputs</b>	
Standard	2 - Alarm (n/o) and Fault (n/c)
Rating	500mA @ 30V
Expansion	Optional input and relay card
<b>User interface</b>	
Indicators	LED
<b>Networking</b>	
SenseNET (RS-485)	Not supported

### Ordering Information

Part No.	Description
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