

# AUTROSENSE MICRA 10

## High Sensitivity Aspirating Smoke Detector Product Datasheet

### Features

- 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 50 m 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 3D<sup>3</sup> Laser Dust Discrimination and elimination system

### Product overview

The AutoSense 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, autonomously without the need for manual adjustments. 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 Autronica fire detection systems or third party building management 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

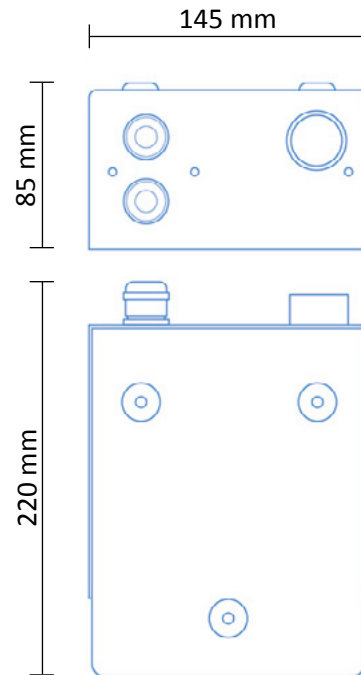
- Relay expansion card

Product name	Part number	Description
AutoSense Micra 10	116-5861-018.1405	Norwegian version
AutoSense Micra 10	116-5861-018.1406	Swedish version
AutoSense Micra 10	116-5861-018.1407	English version

## Specifications

Supply	
Voltage	21.6 to 26.4 VDC
Current	250 mA
Environmental	
Operating temperature	-10°C to +60°C (EN 54-20)
Relative humidity	0 to 90% RH (non condensing)
IP Rating	IP50
Mechanical	
Size (W x H x D) in mm	145 x 220 x 85
Weight	1.7 kg
Colour	Cream
Material	Sheet steel enclosure
Cable entries	2 x M20
Detection	
Detection principle	Laser light scattering mass detection and particle evaluation
Particle sensitivity range	0.003µ to 10µ
Measurement range (% Obs/m)	0.3% to 25%
Alarm levels	4 (Aux, Pre-alarm, Alarm and Alarm 2)
Sampling pipework	
Inlets	1
Lenght	50 m maximum run (25 m 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 6 holes
Amount of Class C holes (normal sensitivity)	Up to 10 holes
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

## Dimensions



## Pipes and accessories

For pipes and accessories, see Autronica’s product catalogue.

## Reference documentation

AutoSense Micra 10 installer’s handbook is delivered with the product, and is available from our web page.