ASPIRATING SMOKE DETECTOR - AUTROSENSE 200

AutroSense
Product Datasheet

Features

- Simple installation
- Unique ClassiFire® Artificial Intelligence
- Adjustable to any environment
- Consistent level of protection
- Unwanted alarms from dust are avoided using patented dual technology LDD 3D discrimination system
- Menu map with list of programmable functions
- Maximum aspirator performance
- Low maintenance cost

Description

AutroSense 200 embodies many unique features to maximize performance and increase reliability compared to other aspirating detection systems. AutroSense 200 is recognized as being easily the most sensitive system available, but coupled to the unique ClassiFire® Artificial Intelligence (AI) process; this need not mean a high rate of nuisance alarms.

AutroSense 200 is the only optical high sensitivity system which is routinely applied to the protection of very dirty and dusty environments. This is achieved by combining Laser Dust Discrimination (LDD™) with a patented dust management and separation system. At the other extreme, AutroSense 200 is capable of providing the very highest levels of sensitivity in environments such as computer areas and clean rooms. In these applications it is able to give warning to the very slightest trace of smoke.

AutroSense 200 is fully capable of reacting to true INCIPIENT fire situations, thereby preventing damage by providing the EARLIEST warning.

Because of ClassiFire the detector does not require complex and expensive calibration to suit the environment, as it continually adjusts itself automatically.

AutroSense 200 has a flexible nature and many possible configurations in order to suit every possible application.

Versions

- Standard detector: for smaller installations
- Command Module detector: mounted inside a detector
- Stand-alone Command Module: unit in own housing without an aspirator or smoke detection circuitry
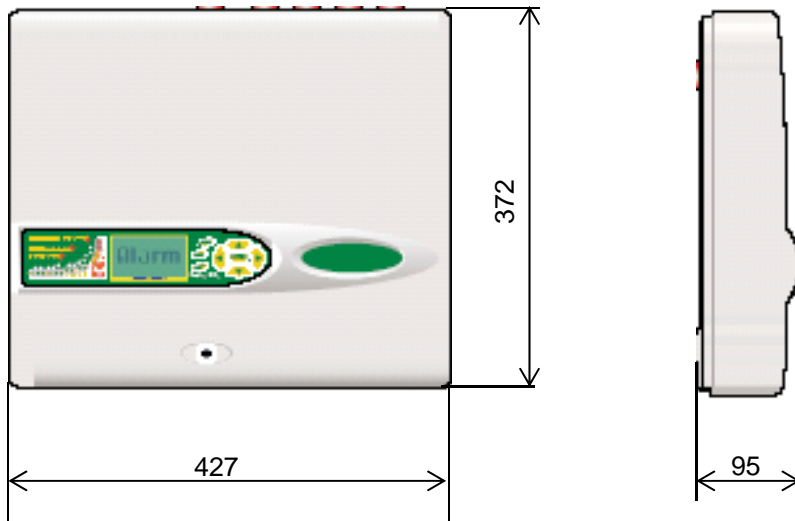
Applications

- 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

AUTRONICA

Product Name	Part number	Description
AutroSense 200	116-5861-018.2000	Aspirating smoke detector, high sensitivity

Technical specifications	
SELV rating (EN 60950)	Class III
Supply voltage	21.6 V 26.4 VDC PSU Type: conforming to EN 54-4 Electrical safety complies with BS EN610190-1
Weight	5.2kg (detector) 5.3kg (command module detector) 6.2kg (stand-alone command module)
Operating temperature range	-10 to +60 °C
Operating humidity range	0-90 % non-condensing
Sensitivity range (% Obs/m)	Min = 25 % Max = 0.03 % FSD
Maximum sensitivity resolution	0.0015 % Obs/m
Detection principle	Laser light scattering mass detection
Particle sensitivity range	0.003μm to 10μm
Current consumption	400 mA (detector) 450 mA (stand-alone command module) 850 mA (command module detector)
Relay contact rating	500 mA @ 30 V
Maximum sampling pipe length	200 metres total
Sampling pipe inlets	4
Sampling pipe internal diameter	15-25 mm
Alarm levels	4 (Fire 2, Fire 1, PreAlarm and Aux)
Bargraph sensitivity range	0.0015 – 25 % obs/m
Bargraph segments	26
Chamber service intervals	Greater than 8 years (depending on environment)
Dust separator replacement intervals	Greater than 5 years (depending on environment)
Laser lifetime (MTTF)	Greater than 1000 years
Programming	Front panel or PC via RS232/RS485
Data bus cable	RS485 data cable
Data bus length	1.2 km IN, 1.2km OUT
IP rating	IP50
Supported languages on internal programmer	Czech, Dutch, English, Estonian, Finnish, French, German, Hungarian, Italian, Norwegian, Spanish and Swedish
Approvals	www.autronicafire.com

Dimension Drawing

372

427

95

Mounting plate

180.0

6mm dia.
3 places

120.0

340.0

200.0

140.0

CLEARANCE AREA FOR DETECTOR