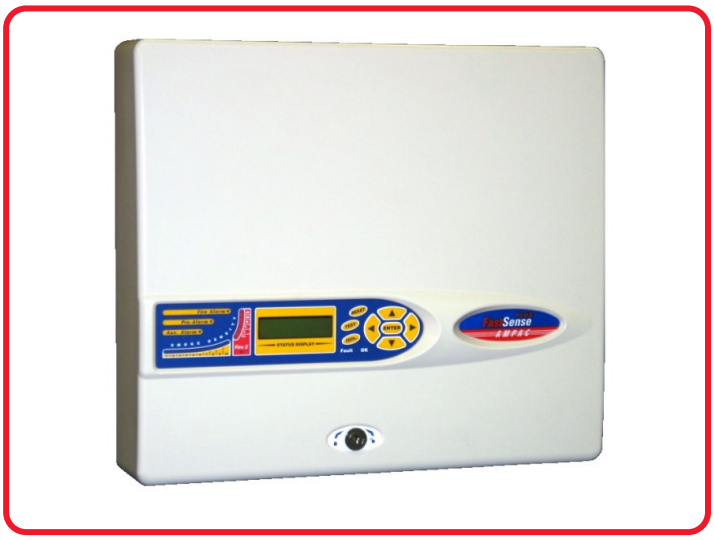
Ampac

Fire detection and evacuation solutions that save lives.

FastSense Plus – A High Sensitivity Smoke Detector

Features

- Advanced Laser Technology
- ClassiFire Artificial Intelligence Software
- Built in LCD Display for Programming
- Command Module for Networking
- Smoke Density level Bargraph
- Fire Alarm Control Panel Interface
- PC Based Remote software
- SenseNET Graphical Display and Control
- PipeCalculator Design Software
- Extensive range of fittings



FastSense Plus Detector

Description

The FastSense Plus detector is based on an aspirating system, incorporating patented artificial intelligence known as ClassiFire. The detector adopts a laser based technology making it extremely sensitive, thus providing the earliest warning to the slightest traces of smoke.

The ClassiFire intelligence continually monitors the environment and internal contamination, and then adjusts the sensitivity of the detector for optimum performance. The sensitivity is adjusted automatically for day/night modes or operational/non-operational levels with no need for external input.

The FastSense Plus has four ports for the sampling pipe network with a maximum pipe length of 50m per port or a total of 200m for the detector.

Applications

- Return air ducts
- Large area/volume offices, warehouses
- Telephone exchanges
- Clean rooms
- Cold stores
- Computer rooms
- Document storage facilities

An Apollo Protocol Interface Card (APIC) allows seamless connectivity between the detector and an Ampac Fire-Finder or LoopSense Fire Alarm Control Panel.

Detector networking is achievable by connecting a 'Command Module' or SenseNET graphic system to the detector.

The Command Module enables the following enhanced features of the detector:

- BMS output in three formats – TAP, ASCII format only, and BACNET protocol
- SMS messaging to programmed mobile phone numbers

The SenseNET is a Windows based program that provides graphical central management and monitoring of up to 126 detectors. In a highly complex system design the SenseNET makes easy work of identifying the source of smoke, through its ability to produce site maps, warning sounds and spoken messages unique to each detector.

With the aid of the PipeCalculator design software a FastSense high sensitivity detection system can be easily designed.

PipeCalculator models the location of the detector and the risk area in a 3-dimensional image and calculates the number and length of pipes, as well as the spacing and size of the sampling holes along the pipe.

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Item Numbers

230-0011	FastSense Plus Detector
230-0012	FastSense PLUS + command module
230-0031	SenseNET control unit c/w power supply
230-0032	SenseNET contact monitor
230-0033	SenseNET software CD + dongle
230-0034	SenseNET Remote Display Unit 19" board
230-0035	SenseNET Remote Display relay board
230-0036	SenseNET single RDU wall enclosure
230-0041	FastSense Apollo Protocol Interface Card
230-0042	FastSense PLUS Air Heater Box
230-0043	FastSense PLUS Aspirator for Air Heater Box
230-0044	FastSense Wire Overload/Burn Unit
230-0045	FastSense 100m wire for Burn Unit
230-0046	FastSense Notebook Cable
230-0048	FastSense 5 Way Relay Board
216-0065	FastSense 2A PSU excluding batteries
216-0066	FastSense 6A PSU excluding batteries

*Additional FastSense Products can be found on the Ampac website.

Specifications

Operating voltage	21.6 – 26.4Vdc
Quiescent current	400mA
Size (mm)	372H x 427W x 95D
Operating Temperature	-10 to +60 Degree Centigrade
Operating Humidity	0-90% Non condensing
Sensitivity Range	Min=25% Max-0.03% FSD
Sensitivity Resolution	0.0015% obs/m
Sampling Pipe	200 m max (25mm external ⌀)
Sampling Pipe Inlets	4
Alarm Levels	Fire 2, Fire 1, Pre-Alarm, Aux
Bar graph Sensitivity	0.0015% to 25% obs/m
Bar graph Segments	26
Relay Outputs	
Fire 1	Normally Closed – 1Amp
Fire 2	Normally Closed – 1Amp
Pre-Alarm	Normally Closed – 1Amp
Auxiliary	Normally Closed – 1Amp
Fault	Normally Closed – 1Amp
Chamber Service	> 8 years*
Dust Separator	Service > 5 Year*
Laser Life (MTTF)	> 1000 years
Programming	Via front panel of PC
Data bus (SenseNet)	RS485 – 2 core screened
Data bus length	1.2 km
IP rating	IP 50
Weight	Approx. 5.2kg