

High Sensitivity Air Sampling Smoke Detector

FIRElink-EX



Features

- ▶ Lightweight design for easy one-man installation
- ▶ Very high sensitivity provided by laser based forward light scatter for reliable incipient fire detection
- ▶ External particles filter for ease of maintenance located in safe zone - no need to declassify area for routine maintenance
- ▶ Detector dynamically adjusts its operating parameters to allow for day to day changes in protected environment
- ▶ Unwanted alarms from dust are avoided using patented dual technology 3D³ Laser Dust Discrimination and filtration system
- ▶ RS485 communications built in as standard for networking and remote communications

Description

Model FIRElink-EX is a very high sensitivity smoke detector using an aspirating technique. The unit also features an explosion-proof housing which can be used in hazardous areas. A unique sensing technology ensures that the detector operates at optimum sensitivity for the protected environment, without the need for complex setup.

Specification	
Order Code	FIRElink-EX
Supply Voltage	21.6V - 26.4V d.c. , PSU Type: conforming to EN 54-4 Electrical safety complies with BS EN 610190-1
Current Consumption	1.1A @ 24V d.c.
Operating Temperature Range	-10 to + 60°C (CEA4022)
Operating Humidity Range	0 - 90% non-condensing
Measurement range (%Obs/m)	0.0015% to 25%
Display LEDs	Fire, Fault, OK
Detection principle	Laser light scattering mass detection and particle evaluation
Particle sensitivity range	0.0003µm to 10µm
Dust discrimination principle	3D ³ Laser Dust Discrimination (LDD)
Recommended max. sampling pipe length 50m	25m moving air / 50m still air
Sampling pipe diameter	3/4" nominal bore (27mm O/D)
Recommended number of sampling holes	10
Alarm levels	2 - "FIRE" and "FAULT" (2 additional levels available with optional Relay Card or APIC fitted)
Ingress Protection rating	IP50
Cable Entries	4 x M20
Enclosure Material	Aluminium alloy
Weight(kg) / Size(mm)	8.5 / H200 x W400 x D165 (inc "flame-arrestors")

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