FIRElink

FIRELINK 25

High Sensitivity Air Sampling Smoke Detector

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)

▸ False alarms reduced by unique laser sensing technology - able to discriminate against dust

▸ RS485 communications built in as standard for networking and remote communications.

Description

Model FIRElink-25 is designed to provide very high sensitivity smoke detection in a small package. A unique sensing technology 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 which accepts all sampling pipes and cables leaving the detector to be fitted during the final commissioning phase. This ensures that the detector is less likely to be damaged during installation. Volt-free Fire 1 and Fault relay outputs are provided for remote monitoring by local fire detection or BMS systems.

Specification

Ordering code	FIRELINK-25
Supply voltage	21.6 - 26.4 VDC
Current consumption	250 mA @ 24 VDC
Relay contact rating	500 mA @ 30 V
Operating temperature range	0 °C to + 38 °C (UL268) / - 10 °C to + 60 °C (CEA4022)
Operating humidity range	0 - 90% Non-condesning
Measurement range (obs/m)	0.03% to 25% Full Scale Deflection (FSD) 0.0015% to 25% Sensitivity Resolution
Detection principle	Laser light scattering mass detection and particle evaluation
Particle sensitivity range	0.003 μ to 10 μ
Dust discrimination principle	3D^3 Laser Dust Discrimination (LDD)
Maximum single sampling pipe length	25m moving air (>1 ms) or 50m still air (max.)
Sampling pipe diameter	¾" nominal bore (27mm O/D)
Alarm levels	2 - "FIRE" and "FAULT" (2 additional levels available with optional Relay Card or APIC fitted)
IP rating	IP50
Sampling pipe inlets	1
Exhaust air pipe outlets	1 (on optional piped exhaust docking station)
Weight (kg) / Size (mm)	1.7 (with docking station / H 205 x W 138 x D 84

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