

High Sensitivity Air Sampling Smoke Detector with Command Module

FIRElink-400CM



Features

- ▶ High sensitivity provided by laser based forward light scatter for reliable early warning
- ▶ Four sampling pipes up to 200 m (aggregate) in length (still air)
- ▶ False alarms reduced by unique dust discrimination
- ▶ RS485 communications for networking and remote communications
- ▶ Command Module allows control over other FIRElink units on network

Description

Model FIRElink-400CM is designed to provide very high sensitivity smoke detection using an aspirating technique. A unique sensing technology ensures that the detector operates at optimum sensitivity for the protected environment, without the need for complex set-up. With the integrated Command Module this unit also provides a single location display, control and interfacing option for systems of up to 127 detectors and allow global programming of all detector functions simultaneously.

Specification	
Order Code	FIRElink-400CM (Standard Detector with Command Module)
Supply Voltage	21.6 - 26.4 V dc
Current Consumption	920 mA @ 24 V dc at fan speed 8
Relay Contact Rating	500 mA @ 30 V
Operating Temperature Range	0 to +38 °C (UL268), -10 °C to + 60 °C (CEA4022)
Operating Humidity Range	0 - 90% non-condensing
Measurement Range (obs/m)	0.0015% 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 / Diameter	100 / ¾" nominal bore (27mm O/D)
Total Sampling Pipe Maximum	200 m @ 100 sampling holes
Alarm Levels	4 (Aux, Pre-alarm, Fire 1 and Fire 2)
IP Rating	IP50
Sampling Pipe Inlets	4 on top, 4 at rear
Exhaust Air Pipe Outlets	1 on top, 1 at rear
Weight(kg) / Size(mm)	5.3 / H372 x W427 x D95

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