

FIRElink

FIRELINK 400

High Sensitivity Air Sampling Smoke Detector



Features

- ▶ Volt-free Fire-1 and Fault relay outputs are provided for remote monitoring by local fire detection or BMS systems
- ▶ High sensitivity provided by laser based forward light scatter for reliable early warning
- ▶ Four sampling pipes up to 200m (aggregate) 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-400 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.

The detector is available in three formats, the standard detector (FIRElink-400), the standard detector plus Command Module (FIRElink-400CM) and a standalone Command Module (FIRElink-CM). The Command Module variants provide 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

Ordering code	FIRELINK-400 (Standard Detector)
Supply voltage	21.6 - 26.4 VDC
Current consumption	470 mA @ 24 VDC (at fan speed 8)
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-condensing
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	100 m (2 x 50m) still air (max)
Total sampling pipe max.	200m @ 100 sampling holes
Sampling pipe diameter	¾" nominal bore (27mm O/D) (EN54-20 performances)
Alarm levels	4 - Aux / Pre-Alarm / FIRE 1 / FIRE 2
IP rating	IP50
Sampling pipe inlets	4 on top, 4 on rear
Exhaust air pipe outlets	1 on top, 1 at rear
Weight (kg) / Size (mm)	5.2 / H 372 x W 427 x D 95