

Chubb Fireseeker Linear Heat Detection

Fire Systems

Prevent Fire | Detect Fire | Contain Fire | Escape Fire

Product

Linear Heat Detection (LHD) cable systems provide a flexible durable and cost effective form of fire detection.



System Benefits

- Detection at the point of risk
- Continuous operation within the most adverse environmental conditions
- Environmental chemical resistance sheathing and mechanical cable protection flexibility
- Internationally proven in-service experience
- Adjustable alarm sensitivity thresholds
- Identification of local / ambient temperature increase
- Can be used in hazardous areas using the appropriate Intrinsically Safe barrier
- Interface units allow full integration with both Zonemaster conventional and Controlmaster analogue fire control panels.

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Applications

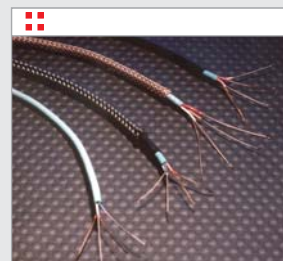
Linear Heat Detection cable provides protection over a wide range of applications.

The following applications are typical installations to illustrate the diversification of the product range.

- Cable Tunnels
- Conveyors
- Bulk Storage
- Floating Roof Tanks
- Rail Locomotives / Rolling Stock
- Vehicle Engine Bays
- Transformer bays
- Thatched roofs
- Ceiling and floor voids
- Road tunnels
- Cold storage areas
- Dust extraction ducts
- Airport passenger walkways
- Baggage conveyors

Fireseeker LCD cable

A four-conductor flexible cable with negative temperature coefficient insulation, that is surrounded by an outer layer of flame retardant high temperature PVC.



- Standard blue cable is recommended for environments ranging from clean and dry to moderate dust and moisture. Not for external use or for installations where corrosive agents or damage to the cable may occur.
- Phosphor bronze braid is suitable for areas where friction or mechanical damage may occur. Same installations as the standard blue.

Fireseeker LHD Units

The Fireseeker LHD unit provides control of the Linear Heat detection cable and interface to the relevant fire control panel. The Fireseeker LHD unit continuously monitors the sensor cable for fire conditions and open or short circuit cable fault conditions. Two types are available:

- Fireseeker LHD-1 provides for two wire connection direct to a Zonemaster conventional fire control panel and operates on the supervising current on the detection zone of the fire alarm control panel.
- Fireseeker LHD-2 is identical in operation to the Fireseeker LHD-1 with the addition of an auxiliary PCB comprising of fire and fault relays. This can be used for stand alone operation or integration via a suitable loop interface unit to the Controlmaster analogue fire control panel.

LHD-1



LHD-2



Technical Data

	Fireseeker LHD-1	Fireseeker LHD-2
Power		
Supply Voltage (volts)	8 - 30	8 - 30
Current Consumption		
Quiescent Current (μ)	57 at 24 volts	77 at 24 volts
Alarm current (mA)	53 at 24 volts	82 at 24 volts
Physical		
Dimensions HxWxD (mm)	125 x 175 x 75	175 x 175 x 75
Weight (grams)	840	1115
Colour	RAL9002	RAL9002
Case Material	Polycarbonate ABS	
Environmental		
Temperature Range ($^{\circ}$ C)	-25 to +55	-25 to +55
IP Rating	IP66	IP66
Approval		
LPCB Approved	Yes	Yes
Part Numbers	F850476N	F850477N

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call **0800 32 1666** or visit **www.chubb.co.uk**