

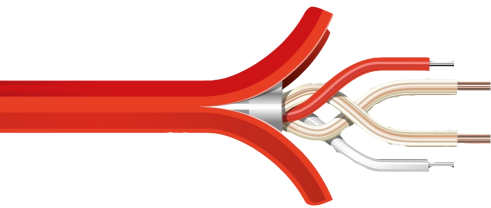
Fire detection and evacuation solutions that save lives.

Linear Sensing Technology - Analogue Linear Heat Detection LHD

State-of-the-art analogue linear heat detection delivering exceptional performance and reliability

Ampac LST Analogue is an interface unit and analogue heat detection cable designed to interface between a standard fire alarm panel or addressable module.

The interface unit monitors specially doped polymers within the sensor cable whose resistance change with temperature. An abnormal change in resistance along the analogue heat detection cable triggers either a PREALARM or ALARM on the interface module and corresponding initiating zone on a fire alarm control panel. The unit is intended to be simple and straightforward to install and is commissioned using a built in self-programming module or via a laptop computer. The sensor cable has been designed to be physically and electronically rugged to suit all but the most extreme environments.



Features

- Alarm & Prealarm temperature from 54°C (129°F) 100° C (212°F)
- Up to 500m (1640ft) continuous length (Max. 500m/1640ft per zone)
- Ambient Temperature Compensation
- Alarm hotspot 3% of zone length
- Analog Sensing
- Separate Alarm & Prealarm outputs
- Alarm if controller internal temperature reaches 100°C (212°F)
- No nomograms or other scales to interpret
- Simple 3 step installation
 1. Measure Calibration Resistance
 2. Select Alarm Temperature
 3. Download Settings
- All alarm temperatures available over all zone lengths

Typical Markets and Applications

- Power generation industries
- Oil and gas industries
- Mines
- Cold storage and industrial freezers
- Floating roof storage tanks
- Tunnels
- Cable trays
- Warehousing



Item Numbers

Ampac LST

LST Analogue LHD 100m Red PVC Sheath	4114-2001-0100
LST Analogue LHD 200m Red PVC Sheath	4114-2001-0200
LST Analogue LHD 500m Red PVC Sheath	4114-2001-0500
LST Analogue LHD 100m Nylon Sheath	4114-2101-0100
LST Analogue LHD 200m Nylon Sheath	4114-2101-0200
LST Analogue LHD 500m Nylon Sheath	4114-2101-0500

Analogue Modules

LST Analogue Control Unit inc EOL unit	4114-2950
LST Analogue Control Unit PC Programmable	4114-2951
LST Analogue EOL Unit (spare)	4114-2952

Polypropylene outer sheath and Stainless Steel outer braid on PVC variants also available.

Benefits

- UL Approved and RoHS compliant to meet end user specifications
- Reduced overall cost of detection as compared to other Analogue overheat detection systems
- Open and short circuit detection reduces the risk of false alarms
- Optional pre-alarm setting allows the user to manage risk more effectively
- Cable based sensing allows detection at the point of risk
- Short manufacturing lead time assures product availability and speed to market
- Low installation and maintenance costs reduce total cost of ownership
- Reliability through design, approvals and 3 year warranty