

Fire detection and evacuation solutions that save lives.

Linear Sensing Technology - Digital Fixed Temperature LHD

Tried and tested linear overheat detection

The Ampac Linear Sensing Technology LST is a range of digital heat detection cables and is designed to trigger a response when a specific temperature is reached.

If the temperature surrounding the cable reaches the activation temperature the two cores quickly come into contact and trigger an alarm. These cables are known as 'digital' because they are 'off' below the activation temperature and irreversibly switch 'on' when the activation temperature is reached.

Ampac LST Digital LHD - Ratings

The technology uses a twisted pair of low resistance, tri-metallic conductors, sheathed in advanced temperature sensitive polymers.

Detector Action Temperatures

- 68°C (155° F)
- 78°C (172° F)
- 88°C (190° F)
- 105°C (220° F)



Ampac Digital interface Monitor Module

Ampac LST Digital interface Monitor Module is designed to enhance the functionality of existing or new Digital LHD systems. The UL864 10th Edition approved module monitors up-to two zones of digital LHD cable. A unique interlock / coincidence detection mode eliminates the possibility of false alarms by requiring both LHD cables to trigger before an alarm is transmitted.



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	PVC Sheath	Nylon Sheath
LST68 Digital LHD 68°C	4114-1001-xxxx	4114-1101-xxxx
LST78 Digital LHD 78°C	4114-1002-xxxx	4114-1102-xxxx
LST88 Digital LHD 88°C	4114-1003-xxxx	4114-1103-xxxx
LST105 Digital LHD 105°C	4114-1004-xxxx	4114-1104-xxxx
LST185 Digital LHD 185°C	N/A	4114-1105-xxxx

Digital Interface Monitor Modules

DiMM-M (M16 knockouts)	4114-1950
DiMM-PG (PG16 knockouts)	4114-1951

xxxx = Cable length in metres, 0100 = 100m, 0200 = 200m, 0500 = 500m and 1000 = 1km

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

Benefits:

- UL, FM, CE, RoHS approved to meet end user specifications
- Low Material Costs
- Cable based sensing allows detection at the point of risk
- Short manufacturing lead time assures product availability and speed to market
- Low installation, maintenance and repair costs reduce total cost of ownership
- Reliability through design, approvals and 3 year warranty
- Quickly locate and respond to an incident with the optional Digital interface Monitor Module (DiMM)