

# KIDDE

## LINEAR HEAT DETECTION – SENSOR SUPPORTS

Linear Heat Detection (LHD) cable-based systems provide economical temperature monitoring at the precise point of risk. Reliable and flexible linear sensors have the ability to detect abnormal temperature variances before fire breaks out.

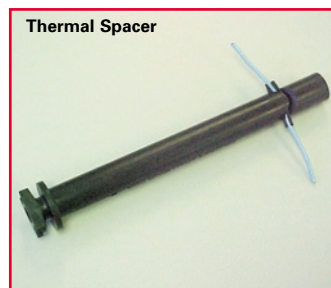
Kidde Fire Protection's LHD product range, comprising Alarmline Analogue and Digital, allows an extensive range of commercial, industrial and domestic fire and overheat risks to be protected in ambient temperatures ranging from -65 to +227°C.

Applications include: cable trays, conveyors, high bay racking, floating roof tanks, escalators, warehouse/hangar spaces, engine bays and ducting systems (ventilation and extraction). Such areas are frequently difficult to access, often receiving only limited surveillance, therefore it is essential that the sensors are appropriately located using the most suitable methods of support.

The following range of sensor supports has been specifically designed to meet such demanding requirements and to keep installation cost to a minimum through ease of installation.

### Thermal Spacers

Manufactured from LDPE, the Thermal Spacer provides efficient and rugged support for the complete range of sensor cables. The unique construction of the base allows flexibility of fixing with a simple 'twist lock' installation. The Spacers conform with UK



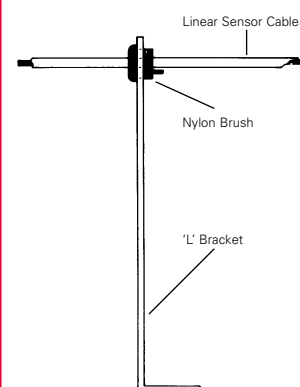
Power Generation Authority recommended spacing between sensor and cable tray. Thermal spacers are available in 2 lengths; 75mm and 250mm.

### 'L' Bracket

Constructed in stainless steel or mild steel, the 'L' Bracket provides support for linear detection sensor cables, typically above top tier cable trays, fitted to the rear of the tray to prevent physical obstruction to tray access.

The 'L' Bracket correctly positions the Alarmline cable in relation to the cable tray

### 'L' Bracket

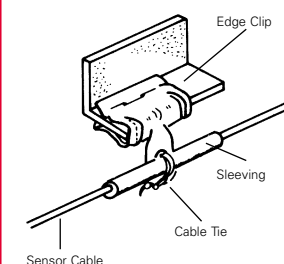


### Edge Clip

For firm support of sensor cables from structural members, the Edge Clip ensures physical separation between sensor and girder, thus maximising operating sensitivity.

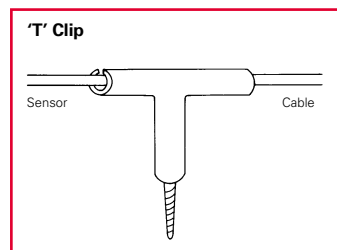
A range of clips is available to accommodate web thicknesses from 3mm to 20mm. Please specify when ordering.

### Edge Clip

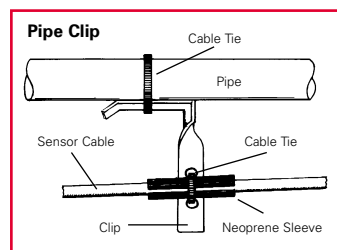


**'T' Clip**

This is a simple and economical 'T' Clip drill/screw method of 'stand off' fixing for sensor cables from heat absorbent surfaces in less arduous environments.

**Pipe Clip**

Sensor cable may be suspended from any diameter pipe, e.g. sprinkler pipe, by means of the pipe clip and a suitable length cable tie. A second, smaller cable tie and a length of neoprene sleeve are used to secure the sensor cable to the clip.

**ANCILLARIES****Neoprene Sleeving**

To prevent chaffing of sensor cables against metallic surfaces, a range of neoprene sleeving is available. The sleeving is open sided to allow ease of fitment over sensor cables.

**Cable Ties**

A range of Cable Ties may be provided to help prevent sensor cable sag which may result from excess movement through the selected support.

**ORDERING INFORMATION**

Long (250mm)	
Thermal Spacer	B6782-151
Short (75mm)	
Thermal Spacer	B6782-152
'L' Bracket	B6782-002
Edge Clip	B6782-003
'T' Clip	B6782-004
Pipe Clip	B6782-005

Ancillaries:	
- Neoprene Sleeving	B6782-008
- Cable Ties	B6782-009

**NOTES**

- The range of sensor cable supports specified may be expanded to accommodate special risks requirements. For information and assistance in selection or design, please contact Kidde Fire Protection.
- As a guide to installation, sensor supports should be installed at 1-1.5 metre intervals to prevent cable sag.