

## Kidde Offers a Complete Line of Linear Heat Detection Products to Fit Your Application...



### AlarmLine™ Linear Heat Detection

AlarmLine Linear Heat Detector is an analog, integrating-type heat detector that uses an interface module for configuration and communication with the panel. AlarmLine features include a programmable alarm threshold, as well as pre-alarm and overheat detection when used with Kidde intelligent fire alarm panels.

### LHS™ Linear Heat Sensor

LHS Linear Heat Sensor is a flexible, durable and cost-effective fixed-temperature fire detector that connects directly into the fire panel initiating circuit. LHS is available in a variety of temperature set points and jacket types.



Kidde Linear Heat Detection Systems are Available From...

## Kidde® Linear Heat Detection

Specialty Heat Detection for Non-Traditional Applications

## Our Quality Is Certified

Kidde Linear Heat Detection Systems are made in America in accordance with ISO 9001 certified quality standards and installed and serviced by Kidde Distributors worldwide. When you've specified "Kidde," you've chosen the world's most respected name in fire protection.

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# Why Linear Heat Detection Is the Choice for Your Application...

## 1. Your Environment Is Not Suitable for Spot Detection

Environmental factors can make it tough to protect valuable assets from damage due to fire and smoke. Kidde Linear Heat Detection systems are ideal for applications where ambient conditions prohibit the use of spot-type smoke, flame or heat detectors.

### *It's Too Dirty:*

Many applications such as coal conveyors, manufacturing processes, barns and stables are too dirty for spot-type smoke or heat detection. Detectors can easily become clogged by the unavoidable environment dirt, resulting in false alarms, or worse, lack of detection when it's really needed.

### *It's Too Hot or Cold:*

Spot-type detectors are typically designed for ambient temperatures between 32°F and 120°F. Applications such as aircraft hangers and cold storage warehouses routinely exceed these limitations. Linear Heat Detection is designed with extreme temperature ranges in mind, making it the perfect solution for applications where detection is needed, but ambient conditions are outside the limitations of traditional spot-type detectors.

### *It Has Physical Limitations:*

Mining vehicles, floating roof oil tanks and electrical cabinets are just a few examples of applications where physical limitations prohibit the use of spot-type detection. Linear Heat Detection solves the problem with its extreme flexibility and the almost unlimited possibilities for physical configurations. Linear Heat Sensor Cable can be wrapped around machinery or arrayed across a ceiling. It can fit into small spaces or be run across wide spaces. Now your hardest applications may become your easiest.

## 2. You Have a Linear Application

Linear Heat Detection is specifically designed to protect long distances. It is ideal as protection running the length of a tunnel or along a cable tray. Remember—unlike spot-type detectors, Linear Heat Detection provides a consistent level of protection along the entire length of the cable, regardless of the application size or configuration.

## 3. You Want Your Project to be Cost-Effective

Linear Heat Detection is valuable simply as a flexible, tolerant product for heat detection—but there's more...its value grows when designers realize it's cost-effective as well. When installed with intrinsic safety barriers, Linear Heat Detection is outstanding for use in classified hazardous areas, giving comprehensive coverage without the expense of installing a myriad of explosion-proof spot detectors, conduit and wiring. Continuous, consistent protection at an affordable cost makes Linear Heat Detection a winner when designing for difficult applications where environment is an issue.

## Where Linear Heat Detection is Used...

- Tunnels
- Belt Conveyors
- Aircraft Hangers
- Cable Trays
- Cold Storage Warehouses
- Classified Hazardous Areas
- Barns and Stables
- Floating Roof Oil Tanks
- Mining Vehicles

...and many more. Kidde Linear Heat Detection is ideal for applications where ambient conditions prohibit the use of traditional spot-type smoke, flame or heat detectors.



## How Linear Heat Detection Works...

- 1** Fire in protected Linear Heat Detection zone raises the area temperature and initiates an alarm.
- 2** The alarm is communicated to the fire alarm panel. The panel indicates the fire location on a character text display.
- 3** The fire alarm panel is configured to activate the fire suppression and notification appliances control zone air supply to reduce the spread of smoke and inhibit fire growth, and to notify the local fire department.

