SIGNALINE HEAT

Signaline Fixed Temperature Heat Sensing Cables

VdS · Ex · CE · UL · FM

Signaline Heat Sensing Cables is the new range of sensor cables from LGM Products. All our cables are UK made and provide highly economic fire protection. Signaline Heat Sensing Cables are designed to be a versatile and low maintenance option for fire detection.

Applications include; Car parks, Cable Trays, Floating Roof tanks, Warehouses, Tunnels, Escalators, Transport Termini, Cold Storage areas, Industrial Kitchens, Process Plants and Vehicles.

Signaline Heat Sensing Cables are also extremely easy to make Intrinsically Safe offering an excellent low cost solution to Hazardous area heat detection.

Signaline FT

Signaline Fixed Temperature Heat Sensing Cables (Signaline FT) offer a very reliable and low cost solution to fire detection. Signaline FT are heat sensing cable which alarm at pre-set temperatures (68°C, 88°C & 105°C). The cable is constructed from two spring steel conductors twisted together and individually insulated with a heat sensitive polymer. When the polymer melts the steel conductors make contact and the system raises an alarm. Signaline FT-R has an additional nylon outer coating for further chemical resistance. There is an additional cable in the FT-R range, the Signaline FT-185-R With the use of a galvanic barrier Signaline FT can become part of an Intrinsically Safe circuit offering very low cost Hazardous area heat detection. Signaline FT cables are easily integrated into both analogue addressable and conventional fire detection systems.

Signaline HD

Signaline HD, unlike fixed temperatures, does not have a pre-determined alarm temperature. Instead the cable detects a rise in temperature. This is achieved via the associated controller continually measuring the resistance within the cable. The controller will provide a Class C response in accordance with EN54 standard for heat detectors. Unlike Signaline FT, Signaline HD does not need to be replaced once it has alarmed. Once the cable has cooled it is completely resettable. Signaline HD-R comes with a chemical resistant nylon outer coating and Signaline HD-S comes with a stainless steel braid for mechanical protection. All Signaline HD cables must be used with a Signaline SKM controller. (see overleaf for details)

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Signaline HD-SKM Controllers

Signaline SKM controllers detect heat by measuring the resistance within the Signaline HD cable.

The Signaline HD-SKM-03 is completely self setting and requires no calibration or on-site adjustment. It will automatically recognise a significant increase in temperature and provides a Class C response in accordance with EN54 standard for heat detectors.

The Signaline HD SKM-95 operates in the exact same manner by measuring the resistance in the cable to notice a significant increase in temperature. However, this controller is loop powered off an XP95 loop and has its own built in address card. It is fully compatible with any fire control panel operating Apollo XP95 or Apollo Discovery intelligent protocol systems.

In certain circumstances you may wish to have a set temperature alarm but with the re-set ability offered by the Signaline HD cables. The Signaline HD-SKM-03UK allows just that. By adjusting a set of DIP switches in the end of line box an alarm will be generated when 1 metre of cable reaches either 60° or 80° C depending on the DIP switch settings.

All controllers come complete with their associated End of Line unit.

Other Products

To support Signaline Heat Sensing Cables LGM can offer a full range of complimentary products to make your installation as simple as possible. The Signaline UCB comes complete with all the component parts to make an end of line, interposing line unit or junction box. We also have a number of specialist units such as the Signaline Auto Cable Collector which offers a turnbuckle solution for floating roof tanks or the Signaline Alarm Point Distance Locator which can be used in conjunction with Signaline FT cables to offer pinpoint location of alarms. We can also supply the compatible barrier to make the cable Intrinsically Safe.

We also offer a comprehensive range of clips -

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