



## Data Sheet – Protectowire Linear Heat Detector

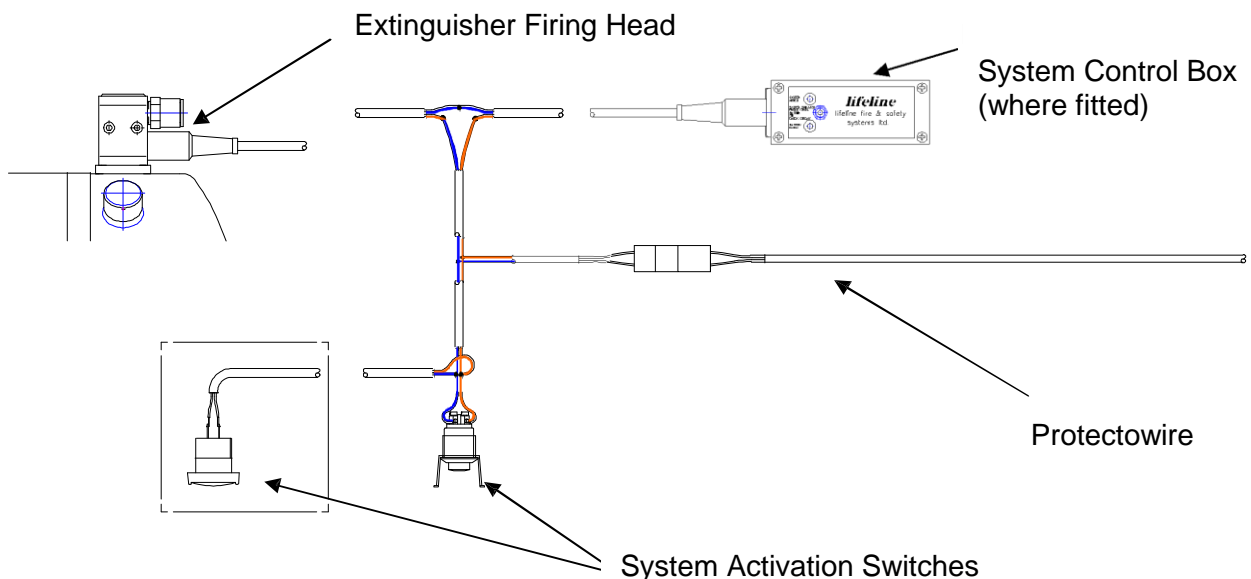
Lifeline offers Protectowire Linear Heat Detection for use with automatic and semi automatic electrically operated systems. Protectowire is designed be used and installed in the roof of any machinery or vehicle installation compartment, and in the ceiling area in such facilities as engine test rooms, laboratories, etc. It is a versatile and reliable fusible wire detector which, depending on the selected temperature rating, can provide area and spot over-temperature detection.

The following installation and operation guidelines should be carefully noted. In the event of any other queries please contact Lifeline at the address shown later. Where there is a choice between two or more temperature ratings the one which provides increased protection should be used.

### Temperature Rating Options

<b>Rated Temperature</b>	<b>155° F / 68.3°C</b>	<b>190°F / 87.8°C</b>	<b>280°F / 137.8°C</b>	<b>356°F / 180°C</b>
<b>Max Installed Ambient Temperature</b>	<b>Up to 100°F / 37.8°C</b>	<b>Up to 150°F / 65.6°C</b>	<b>Up to 200°F / 93.3°C</b>	<b>Up to 221°F / 105°C</b>

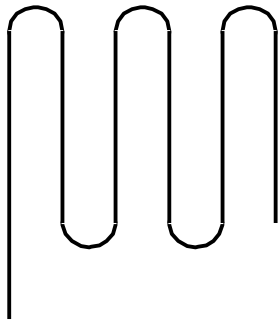
### Typical Installation Connections



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### Installation Recommendations

- Attach the Protectowire to the roof area by means that do not penetrate the wire or where there might be a risk of mechanical damage.
- Outdoor installations are not recommended especially where sunlight radiated or reflected heat without shielding might affect the detection rating.
- Do not place the wire near a heat source i.e. Heaters and Exhaust pipes which might compromise over-temperature detection.
- Do not use pliers to make bends. Please see the pattern below and make all bends by hand with regular rounded turns.
- Do not paint the Protectowire.
- Place the wire 250mm to 300mm apart in the pattern shown below



### Storage and Shipping

- Protectowire is sensitive to heat and must be stored in areas where temperatures will not exceed the maximum ambient rating.
- Do not store the wire near a heat source i.e. heaters, steam pipes and lamps which exceed the rated ambient temperature.
- Do inspect the wire before installation to ensure that there are no signs of damage which may affect performance.

Lifeline's fire suppression systems are the result of extensive research and development. Already in use by many world championship teams and constructors, Lifeline is the Number One Choice.

For more details contact:

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