



Analogue Linear Heat Detection Application Guide

ANALOGUE LINEAR HEAT DETECTION CABLE

Analogue Detection Cable incorporating cutting edge ProReact Thermocable technology, provides an easy installation method for sensing changes in temperature. The analogue technology offers separate Pre-Alarm and Alarm outputs in order to maximize functionality coupled with open and short circuit detection and discrimination. Ambient temperature compensation maintains alarm temperature accuracy. The technology offers alternative heat protection in a vast range of applications and industries, from power generation to oil and gas industries.

Using a Mini Switch Monitor (55000-760), Switch Monitor (55000-843), Zone Monitor (55000-845) or Input/Output Unit (55000-847), the analogue linear heat detection system can easily be interfaced to an Apollo addressable loop or can be connected to a zone of any conventional fire panel directly.

The analogue technology comprises of a four core sensing cable and a separate interface unit. The unit monitors the resistance of temperature sensitive polymers within the sensor cable. An abnormal change in resistance along the analogue detection cable triggers either a Pre-Alarm or Alarm on the interface unit.

When used in conjunction with the Mini Switch Monitor (55000-760) or the Switch Monitor (55000-843) the three provided resistors can be used to report fire, Pre-Alarm and Fault to the fire control panel.

If used with a Zone Monitor (55000-845) or Input/Output Unit (55000-847) the two resistors provided can report a Fire or Fault condition to the fire control panel.

FEATURES OF THERMOCABLE ANALOGUE LINEAR HEAT

- UL 521 Approved
- CE Marked
- Temperature Range 54°C (129°F) - 100°C (212°F)
- Extensive coverage of up to 500m (1640ft)
- Self Programmable Interface
- Separate Alarm and Pre-Alarm Outputs
- Alarm Triggered if Interface Internal Temperature Exceeds 100°C (212°F)
- Optional Stainless Steel Over-Braiding for Increased Mechanical Protection
- Optional Nylon Extrusion offering UV protection and increased durability for outside use.



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Assessed to ISO 9001:2008
LPCB Cert No. 010



Certificate No. 010
See www.RedBookLive.com



Assessed to ISO 14001:2004
Certificate number EMS 010

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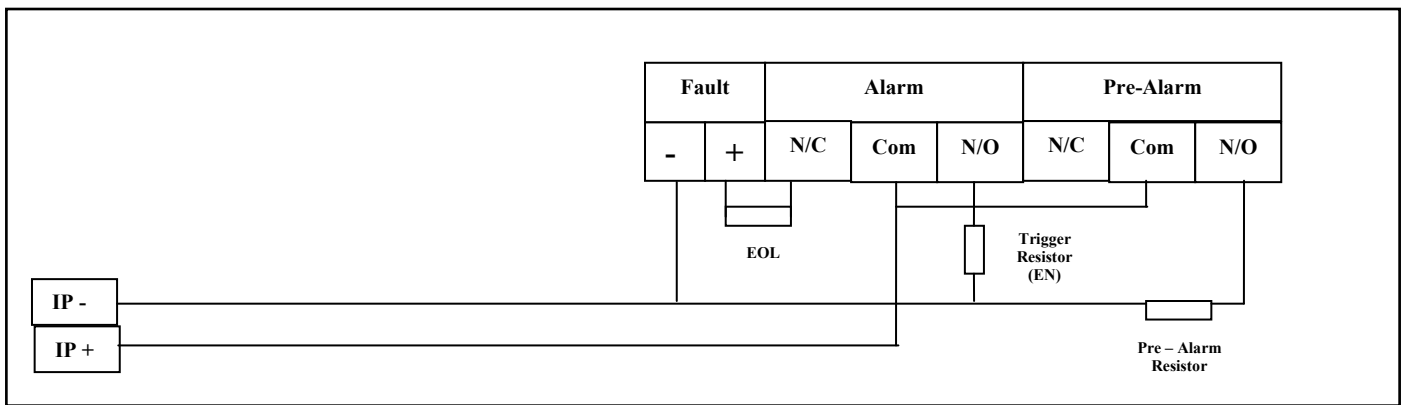
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WIRING SCHEMATICS



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