

# ProReact Analogue

## Advanced Linear Heat Detection

**State-of-the-art analogue linear heat detection delivering exceptional performance and reliability**

**ProReact Analogue** is an interface unit and analogue heat detection cable design to interface between a standard fire alarm panel or addressable module.

The interface unit monitors specially doped polymers within the sensor cable whose resistance change with temperature. An abnormal change in resistance along the analogue heat detection cable triggers either a PREALARM or ALARM on the interface module and corresponding initiating zone on a fire alarm control panel. The unit is intended to be simple and straightforward to install and is commissioned using a built in self-programming module or via a laptop computer. The sensor cable has been designed to be physically and electronically rugged to suit all but the most extreme environments.



### Typical markets and applications:

- Power generation industries
- Oil and gas industries
- Mines
- Cold storage and industrial freezers
- Floating roof storage tanks
- Tunnels
- Cable trays
- Warehousing



### Benefits

- UL Approved and RoHS compliant to meet end user specifications
- Reduced overall cost of detection as compared to other Analogue overheat detection systems
- Open and short circuit detection reduces the risk of false alarms
- Optional pre-alarm setting allows the user to manage risk more effectively
- Cable based sensing allows detection at the point of risk
- Short manufacturing lead time assures product availability and speed to market
- Low installation and maintenance costs reduce total cost of ownership
- Reliability through design, approvals and 3 year warranty

### Features

- Alarm & Prealarm temperature from 54°C (129°F) 100° C (212°F)
- Upto 500m (1640ft) continuous length (Max. 500m/1640ft per zone)
- Ambient Temperature Compensation
- Alarm hotspot 3% of zone length
- Analog Sensing
- Separate Alarm & Prealarm outputs
- Alarm if controller internal temperature reaches 100°C (212°F)
- No nomograms or other scales to interpret
- Simple 3 step installation
  1. Measure Calibration Resistance
  2. Select Alarm Temperature
  3. Download Settings
- All alarm temperatures available over all zone lengths

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