

# ProReact EN Analogue Linear Heat Detection



- ✓ EN54-22:2015+A1:2020 approved analogue linear heat detection system
- ✓ UL listed heat-automatic fire detector
- ✓ Up to 500 metres of linear heat detection cable per zone
- ✓ Three sensor cable types to suit a wide range of applications



## EN54-22 approved analogue linear heat detection cable

Thermocable's new ProReact EN Analogue LHD system meets the strict requirements of EN54-22:2015+A1:2020 as certified by VdS Global. It has been approved to Class A1I, A2I and BI and as a result it can be used in wide range of environments.

The ProReact EN Analogue LHD system is a cost-effective, resettable, line-type heat detector that can be used in applications that are less suited to other types of fire detectors. Each approved system comprises of:

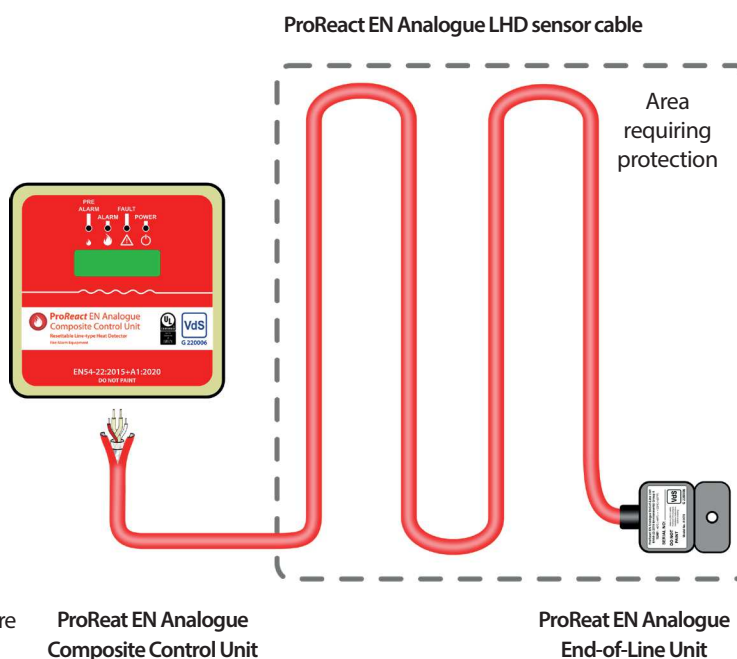
- ✓ ProReact EN Analogue Composite Control (PACC) Unit
- ✓ ProReact EN Analogue End-of-line Unit
- ✓ ProReact EN Analogue PVC Coated Sensor Cable or ProReact EN Analogue Nylon Coated Sensor Cable or ProReact EN Analogue PVC and Stainless Steel braided Sensor Cable
- ✓ ProReact EN Analogue Junction Box (Optional)

Each system can accommodate up to 500 metres of ProReact EN Analogue Sensor Cable enabling a single system to provide suitable coverage over a wide area.

Thermocable's ProReact EN Analogue sensor cable does not have to be replaced following an alarm as long as the sensor cable is not subject to a temperature above its maximum recoverable temperature of 125°C.

Thermocable's ProReact EN Analogue LHD system compensates for ongoing changes in ambient temperature in order to reduce the likelihood of false alarms during operation putting it at an advantage over other linear heat detectors. Its rate-of-rise activation feature also allows for a response to quicker escalations in temperature around the sensor cable.

## Typical Installation of the ProReact EN Analogue LHD system



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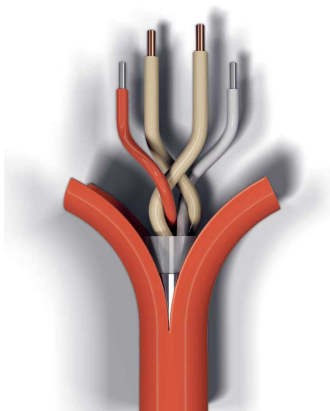


## ProReact EN Analogue Sensor Cable

Thermocable's ProReact EN Analogue Composite Control Unit detects changes in temperature which result in changes in resistance along the ProReact EN Analogue Sensor Cable. The sensor cable is a multi-core linear heat detector, available in three types: PVC coated, Nylon coated or PVC coated with a Stainless Steel braid. Each type has unique properties enabling long term, reliable operation in a wide range of applications.

Up to 500 metres of ProReact EN Analogue Sensor Cable can be installed in a single zone and standard reel lengths include 100m, 250m and 500m.

The ProReact EN Analogue Sensor Cable must be used in conjunction with Thermocable's ProReact EN Analogue Composite Control Unit and ProReact EN Analogue End-of-line Unit.



ProReact EN Analogue Sensor Cable

## ProReact EN Analogue End-of-line Unit

The ProReact EN Analogue End-of-line Unit is compulsory in all ProReact EN Analogue LHD systems as it has a key role in the operation of the technology, allowing the control unit to detect a short circuit or open circuit in the sensor cable. It is small in size and is straightforward to be mounted on surfaces.



ProReact EN Analogue End-of-line Unit

## ProReact EN Analogue Junction Box

Thermocable's ProReact EN Analogue Junction Box is an optional component that can be employed to connect different lengths of ProReact EN Analogue Sensor Cable together should it be required. Such instances could be if there is a desire to increase the total length of sensor cable within a zone or if a small section of sensor cable needs replacing following an activation.

## ProReact EN Analogue Composite Control Unit

Thermocable's ProReact EN Analogue LHD system has a wide range of available alarm temperatures to suit different environments. All of which can be programmed on the LCD display on the ProReact EN Analogue Composite Control Unit or through a laptop connection.

Installers can also select pre-alarm temperatures through the control unit to receive an early notification of an unexpected rise in temperature before a chosen alarm temperature is reached.

Each ProReact EN Analogue Composite Control Unit comes with a Modbus RS-485 output and an inbuilt test feature as standard.

More information relating to Thermocable's ProReact EN Analogue Composite Control Unit can be found in the product datasheet or installation manual, both of which are available on request.



ProReact EN Analogue Composite Control Unit

## Typical markets and applications:

- Car parks
- Cable trays
- Factories & processing plants
- Conveyor belts
- Warehouses
- Data centres

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