



ProReact Fixed Temperature Activation (EN)

(Digital) Linear Heat Detection (LHD)



- ✓ The first digital linear heat detector system to be approved to European EN54 standards
- ✓ Designed for use in both indoor and outdoor installations
- ✓ Low smoke zero halogen material coating



EN54 Certified Fixed Activation Linear Heat Detection Cable

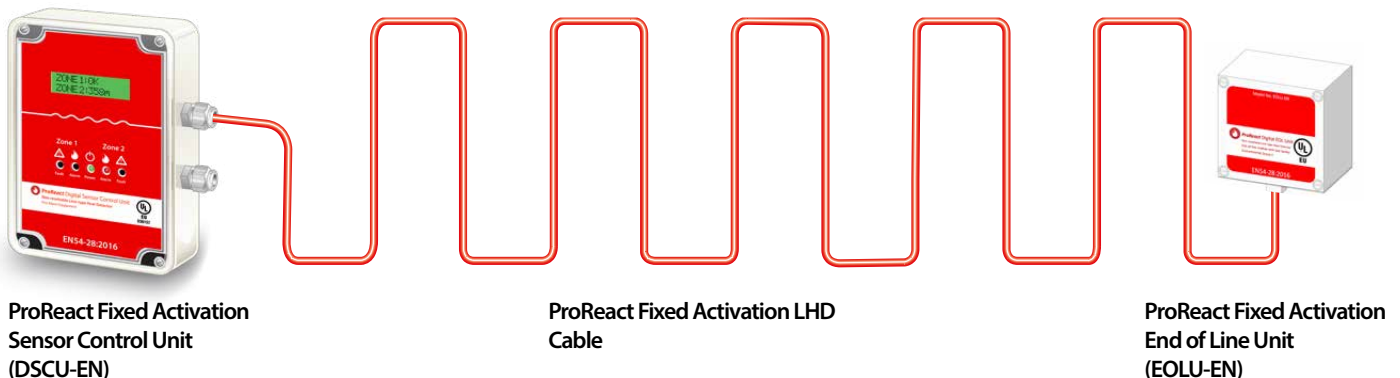
Given the growing importance of fire and life safety across the globe, it is essential that fire alarm and fire detection systems hold the required certifications within relevant jurisdictions. Thermocable is proud to announce the expansion of our ProReact Fixed Activation LHD range of solutions that have been developed specifically to meet the needs for Europe.

Adding a new 68°C cable to the product family, we now provide the broadest range of EN54-28:2016 accredited fixed activation (or digital) linear heat detection products on the market. The fire detection industry in Europe is strictly regulated by the European standards and all equipment used within the region must hold EN54 certification.

EN54-28:2016 Non-resettable line-type heat detectors were approved by CEN in December 2015 and specifies the requirements and performance criteria of non-resettable (or 'fixed activation') linear heat detection cable within Europe.

Thermocable developed and designed our ProReact Fixed Activation LHD system to meet this criterion and, in doing so, introduced the **first EN54-28:2016** certified linear heat detection system to Europe in 2016. Building on this further, we were delighted to introduce our new, lower-temperature activating cable to the range in 2023.

Certified System Design



ProReact Fixed Activation
Sensor Control Unit
(DSCU-EN)

ProReact Fixed Activation LHD
Cable

ProReact Fixed Activation
End of Line Unit
(EOLU-EN)



Call: +44 1274 882359
www.thermocable.com





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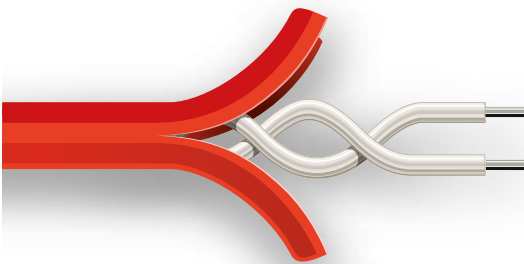


ProReact Fixed Activation LHD Cable

The ProReact Fixed Activation cable consists of a twisted pair of metal cores, sheathed in advanced temperature sensitive polymers. These polymers soften at a given temperature that brings the cores into contact and triggers an alarm.

Detector Action Temperatures

68°C (154°F) 78°C (172°F) 88°C (190°F)



ProReact Fixed Activation LHD Cable

ProReact Fixed Activation End Of Line Unit (EOLU-EN)

Thermocable's ProReact Fixed Activation End Of Line unit with test facility has also been certified to **EN54-28:2016** and enables users to undertake hasslefree functional testing of the system. Users can verify normal conditions, trouble and alarm functions of a system by simulating a break in the cable or overheat condition.



ProReact Fixed Activation End of Line Unit (EOLU-EN)

ProReact Fixed Activation Control Unit (DSCU-EN)

Thermocable's ProReact Fixed Activation Sensor Control Unit (DSCU-EN) is an EN54 certified dual zone alarm point distance locating module that is compatible with the ProReact Fixed Activation LHD range of cables. It can monitor up to 2,000 metres (6,562 ft) across two zones of digital LHD cable. It contains the popular interlock detection mode from the ProReact Fixed Activation Interface Monitor Module (DiMM).



ProReact Fixed Activation Sensor Control Unit (DSCU-EN)

Benefits

- Robust fire detection for dirty, dusty and hard to maintain areas
- Wide coverage - up to 1,000 metres (3,280 ft) of ProReact Fixed Activation LHD cable per zone
- Thermocable's ProReact Fixed Activation Control Unit (DSCU-EN) can monitor up to two zones of ProReact LHD cable
- Improved testing and maintenance functionality with Thermocable's ProReact Fixed Activation End Of Line Unit (EOLU-EN)
- Manufactured in the UK and short lead times ensuring quick delivery across Europe
- Thermocable provides the broadest range of EN54-28:2016 accredited fixed activation/digital linear heat detection products on the market

Typical Markets and Applications

- Car parks
- Oil and gas tank farms
- Mines
- Cable trays
- Cold storage
- Conveyor belts



Call: +44 1274 882359
www.thermocable.com

Email: info@thermocable.com
Thermocable (Flexible Elements) Ltd,
Pasture Lane, Bradford, BD14 6LU
United Kingdom

