

# ProReact Digital Fixed Temperature LHD Cables

## Tried and tested linear overheat detection

The ProReact range of digital linear heat detection cables is designed to trigger a response when a specific temperature is reached. If the temperature surrounding the cable reaches the activation temperature the two cores quickly come into contact and trigger an alarm. These cables are known as 'digital' because they are 'off' below the activation temperature and irreversibly switch 'on' when the activation temperature is reached.

## ProReact Digital LHD

The technology uses a twisted pair of low resistance, tri-metallic conductors, sheathed in advanced temperature sensitive polymers.

## Detector Action Temperatures

- 68°C (155° F)
- 78°C (172° F)
- 88°C (190°F)
- 105°C (220°F)
- 185°C (365°F)



## ProReact Digital interface Monitor Module

The ProReact Digital interface Monitor Module is designed to enhance the functionality of existing or new Digital LHD systems. The UL864 10th Edition approved module monitors up-to two zones of digital LHD cable. A unique interlock / coincidence detection mode eliminates the possibility of false alarms by requiring both LHD cables to trigger before an alarm is transmitted.



## Benefits:

- UL, FM, CE, RoHS approved to meet end user specifications
- Low Material Costs
- Cable based sensing allows detection at the point of risk
- Short manufacturing lead time assures product availability and speed to market
- Low installation, maintenance and repair costs reduce total cost of ownership
- Reliability through design, approvals and 3 year warranty
- Quickly locate and respond to an incident with the optional Digital interface Monitor Module (DiMM)

## 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



Product	PVC Sheath	Nylon Sheath	Digital Interface Monitor Modules
Digital LHD 68°C	4114-1001-xxxx	4114-1101-xxxx	DiMM-M (M16 knockouts) 4114-1950
Digital LHD 78°C	4114-1002-xxxx	4114-1102-xxxx	DiMM-PG (PG16 knockouts) 4114-1951
Digital LHD 88°C	4114-1003-xxxx	4114-1103-xxxx	
Digital LHD 105°C	4114-1004-xxxx	4114-1104-xxxx	
Digital LHD 185°C	N/A	4114-1105-xxxx	

xxxx = Cable length in metres, 0100 = 100m, 0200 = 200m, 0500 = 500m and 1000 = 1km  
Polypropylene outer sheath and Stainless Steel outer braid on PVC variants also available