

ProReact Digital Fixed Temperature LHD Cables

Linear Heat Detection



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 - Ratings

Thermocable is a UK based world leading manufacturer of cable based sensing and detection technologies with established global sales. The technology uses a twisted pair of low resistance, tri-metallic conductors, sheathed in advanced temperature sensitive polymers. Full product traceability is guaranteed as the entire manufacturing process is carried out at Thermocable.



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

Thermocable's 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 ProReact 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



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		100m Reel			200m Reel			500m Reel			1000m Reel					
Part No	Description	Net Kgs	Gross Kgs	Dimms mm	Net Kgs	Gross Kgs	Dimms mm	Net Kgs	Gross Kgs	Dimms mm	Net Kgs	Gross Kgs	Dimms mm			
F1065	ProReact Digital LHD 68°C PVC	2.04	2.69	Ø300 x 100	4.08	4.73	Ø300 x 100	10.20	13.00	Ø430 x 135	20.41	23.55	Ø430 x 250			
F1066	ProReact Digital LHD 78°C PVC	2.04	2.69		4.08	4.73		10.20	13.00		20.41	23.55				
F1067	ProReact Digital LHD 88°C PVC	2.04	2.69		4.08	4.73		10.19	12.99		20.38	23.52				
F1068	ProReact Digital LHD 105°C PVC	1.88	2.53		3.76	4.41		9.41	12.21		18.81	21.95				
F1069	ProReact Digital LHD 185°C Nylon outer sheath	1.79	2.44		3.59	4.24		8.97	11.77		17.94	21.08				
F1070	ProReact Digital LHD 68°C Nylon outer sheath	2.64	3.29		5.28	5.93		13.21	16.01		26.42	29.56				
F1071	ProReact Digital LHD 78°C Nylon outer sheath	2.64	3.29		5.28	5.93		13.21	16.01		26.42	29.56				
F1072	ProReact Digital LHD 88°C Nylon outer sheath	2.66	3.31		5.31	5.96		13.28	16.08		26.56	29.70				
F1073	ProReact Digital LHD 105°C Nylon outer sheath	2.56	3.21		5.12	5.77		12.81	15.61		25.61	28.75				
F1074	ProReact Digital LHD 68°C Polypropylene outer sheath	2.55	3.20		5.10	5.75		12.75	15.55		25.49	28.63				
F1075	ProReact Digital LHD 78°C Polypropylene outer sheath	2.55	3.20		5.10	5.75		12.75	15.55		25.49	28.63				
F1076	ProReact Digital LHD 88°C Polypropylene outer sheath	2.50	3.15		4.99	5.64		12.48	15.28		24.97	28.11				
F1077	ProReact Digital LHD 105°C Polypropylene outer sheath	2.46	3.11		4.92	5.57		12.29	15.09		24.58	27.72				
F1078	ProReact Digital LHD 68°C Stainless steel outer braid	3.29	3.94		6.58	7.23		16.44	19.24							
F1079	ProReact Digital LHD 78°C Stainless steel outer braid	3.29	3.94		6.58	7.23		16.44	19.24							
F1080	ProReact Digital LHD 88°C Stainless steel outer braid	3.29	3.94		6.57	7.22		16.43	19.23							
F1081	ProReact Digital LHD 105°C Stainless steel outer braid	3.13	3.78		6.26	6.91		15.64	18.44							
F1082	ProReact Digital LHD 185°C Stainless steel outer braid	3.04	3.69		6.08	6.73		15.21	18.44							
F1124	ProReact Plus Digital LHD 65°C LSZH coating	2.28	2.93	4.56	5.21	11.40	14.20	22.81	25.95							
F1125	ProReact Plus Digital LHD 75°C LSZH coating	2.28	2.93	4.56	5.21	11.40	14.20	22.81	25.95							
F1126	ProReact Plus Digital LHD 85°C LSZH coating	2.28	2.93	4.56	5.21	11.39	14.19	22.78	25.92							
F1127	ProReact Plus Digital LHD 110°C LSZH coating	2.12	2.77	4.24	4.89	10.61	13.41	21.21	24.35							
F1128	ProReact Plus Digital LHD 65°C Stainless steel outer braid on LSZH coating	3.53	4.18	7.06	7.71	17.64	20.44									
F1129	ProReact Plus Digital LHD 75°C Stainless steel outer braid on LSZH coating	3.53	4.18	7.06	7.71	17.64	20.44									
F1130	ProReact Plus Digital LHD 85°C Stainless steel outer braid on LSZH coating	3.53	4.18	7.05	7.70	17.63	20.43									
F1131	ProReact Plus Digital LHD 100°C Stainless steel outer braid on LSZH coating	3.37	4.02	6.74	7.39	16.84	19.64									
F1132	ProReact VHT Digital LHD Silicone	4.25	7.05	Ø430 x 135	8.50	11.40	Ø430 x 135							21.25	24.39	Ø430 x 250
F1133	ProReact VHT Digital LHD Stainless steel outer braid on Silicone	5.53	8.33	Ø430 x 135	11.10	14.00	Ø430 x 135							27.75	30.89	Ø430 x 250
A1349	ProReact Digital interface Monitor Module	673g		180 x 120 x 61												
A1343	LHD Junction Box Polycarbonate w/5 DIN Rail mounted terminals & 2 cable glands	240g		94 x 94 x 57												
A1385	ProReact Digital LHD end-of-line box with test facility	280g		94 x 94 x 57												