proreact®
Specialist linear heat detection

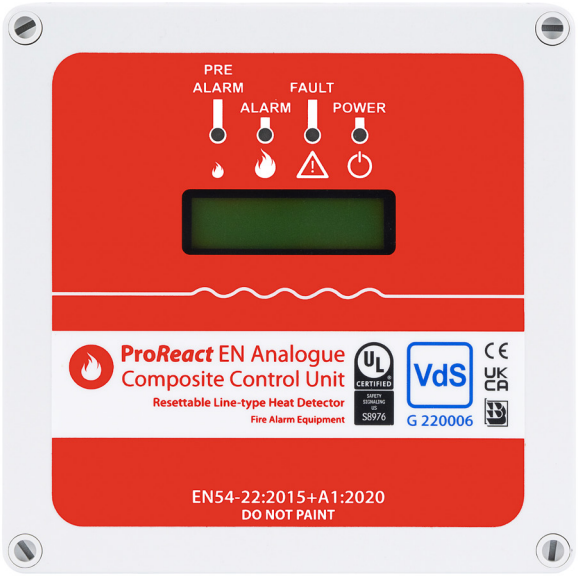
Datasheet

Proreact® Programmable Activation Temperature Composite Control Unit

A1389

The Proreact Programmable Activation Temperature LHD system uses a heat sensitive cable to monitor an area, critical equipment or the like, for an overheat or fire condition.

The Proreact Programmabler Composite Control Unit continuously monitors the resistance of temperature sensitive polymers within the Proreact Programmable LHD Cable.



FEATURES
Designed for use in both indoor and outdoor installations
Wide coverage - up to 500 metres (1,640 ft) of Proreact Fixed Activation Temperature LHD cable per zone
The Proreact Programmable Activation Temperature Composite Control Unit can monitor one zone of Proreact Programmable Activation Temperature LHD cable
Improved testing and maintenance functionality with the Proreact Programmable Activation Temperature End Of Line Unit
Manufactured in the UK and short lead times ensuring quick delivery across Europe
Remote reset

BENEFITS
Accommodates up to 500m (1640 ft) of Programmable Activation Temperature Sensor Cable
Enables a single system to provide suitable coverage over a wide area
Compensates for ongoing changes in ambient temperature to reduce the likelihood of false alarms during operation
Rate-of-rise activation feature allows for a response to quick escalations in temperature around the sensor cable
Unaffected by dirt, dust, and damp

APPLICATIONS
Cable trays
Car parks
Conveyor belts
Data Centres
Energy
Factories & processing plants
Industrial
Infrastructure
Oil and gas
Solar photovoltaic
Warehouses

APPROVALS
Worldwide approvals to meet end user specifications certification. Visit our website for up-to-date approvals information.

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PRODUCT RANGE

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MECHANICAL SPECIFICATION	
Colour	Red
Dimensions	180 (h) x 182(w) x 90(d) mm (7 ⅛"(h) x 7 ⅛"(w) x 3½"(d))
Rating	IP65 (IK08)
Weight	0.86 kg (2 lb)

ELECTRICAL SPECIFICATION	
Operating voltage	20 Vdc - 30 Vdc (EN54) 23 Vdc - 30 Vdc (UL)
Max power consumption	2W
Max current consumption	
without LCD backlight	31 mA @ 20 Vdc to 20 mA @ 30 Vdc
without LCD backlight and alarm	61 mA @ 20 Vdc to 39 mA @ 30 Vdc
with LCD backlight and alarm	85 mA @ 20 Vdc to 59 mA @ 30 Vdc
Relay outputs	Alarm and Pre-alarm FORM C
	2A @30 Vdc - resistive 60W
	0.25 A @250 Vac (62.5 A) - resistive
Fault output	Normally closed Opto-isolated phototransistor output
	Max V: 35 Vdc Max I: 80 mA Max P: 150 mW
Remote reset	5-28 Vdc for minimum 3 seconds
Modbus output	2-wire RS-485 Modbus RTU or ASCII
Integral temperature sensor	Alarm if sensor control unit reaches 100°C (212°F)

ENVIRONMENTAL SPECIFICATION	
Operating temperature range	-20°C to +50°C (-4°F to 122°F)
Relative humidity	0-99% RH (ambient temp between -40°C to +40°C (-40°F to +104°F) 0-75% RH (ambient temp greater than +40°C (+104°F)

FFE

FFE Limited, 9 Hunting Gate, Hitchin, Hertfordshire SG4 0TJ, UK
t: +44 (0) 1462 444 740 **e:** sales@ffeuk.com **w:** ffeuk.com
FFE Limited, 1455 Jamike Ave Ste 200, Erlanger, KY 41018-3147, USA
t: +1 859 957 1570 **e:** america@ffeus.com **w:** ffeus.com

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