

Proreact[®] Fixed Activation Temperature Sensor Control Unit

A1397

The Fixed Activation Temperature Sensor Control Unit is an EN54 certified dual zone alarm point distance locating module that is compatible with the Fixed Activation Temperature 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 Fixed Activation Temperature Interface Monitor Module that reduces the possibility of false alarms.



FEATURES

Designed for use in both indoor and outdoor installations

Low smoke zero halogen material coating

Wide coverage – up to 1,000 metres (3,280 ft) of Proreact Fixed Activation Temperature LHD cable per zone

The Proreact Fixed Activation Temperature Sensor Control Unit can monitor up to two zones of Proreact Fixed Activation Temperature LHD cable

Improved testing and maintenance functionality with the Proreact Fixed Activation Temperature End Of Line Unit

Manufactured in the UK and short lead times ensuring quick delivery across Europe

APPLICATIONS

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

MECHANICAL SPECIFICATION

Colour	Light Grey with clear lid
Dimensions	180(h) x 120(w) x 60.5(d) mm (7"(h) x 4¾"(w) x 2½"(d))
Rating	NEMA 4, 4X (IP65)
Weight	0.67 kg (1½ lb)

ENVIRONMENTAL

Operating temperature range	-20°C to +50°C (-4°F to +122°F)
Relative humidity	-35°C to +55°C (-31°F to +131°F)

APPROVALS

Worldwide approvals include EN54 to meet end user specifications certification. Visit our website for up-to-date approvals information.

ELECTRICAL SPECIFICATION

Wiring size	0.08mm ² to 4mm ² (28 AWG to 11 AWG)
Operating voltage	12–36 Vdc
Current consumption – normal	15–5 mA
Current consumption – alarm	40–15 mA
Terminal blocks – spacing	5 mm rising clamp (¼")
Terminal blocks – rating	16A
Terminal blocks – wire size	0.08 mm ² to 4mm ² (28 AWG to 11 AWG)
Supervised circuits	Power. Input Zone 1 Input Zone 2
Inputs	Up to 2 Class B Zones of Proreact Fixed Activation Temperature
Inputs – max zone length	1000 m (3,280 ft)
Inputs – min zone length	1 m (3¼ ft)
Inputs – end of line resistor	3.6 kΩ (included)
Inputs – short circuit current	0.5 mA
Inputs – max zone voltage	5 V
Outputs – communications	Two wire RS-485 Modbus RTU/ASCII
Outputs – sounder	2.4kHz 92dBa @ 10cm buzzer
Outputs – alarm	2x Form C volt-free relay contacts (resistive, common) Max V 30Vac or 42.4Vdc – Max Current 2A Max Switching Power 60W, 62.5VA
Outputs – fault	2x Optoisolated phototransistor output (resistive, common) Max V 35Vdc – Max Current 80mA Max Power Dissipation 150mW