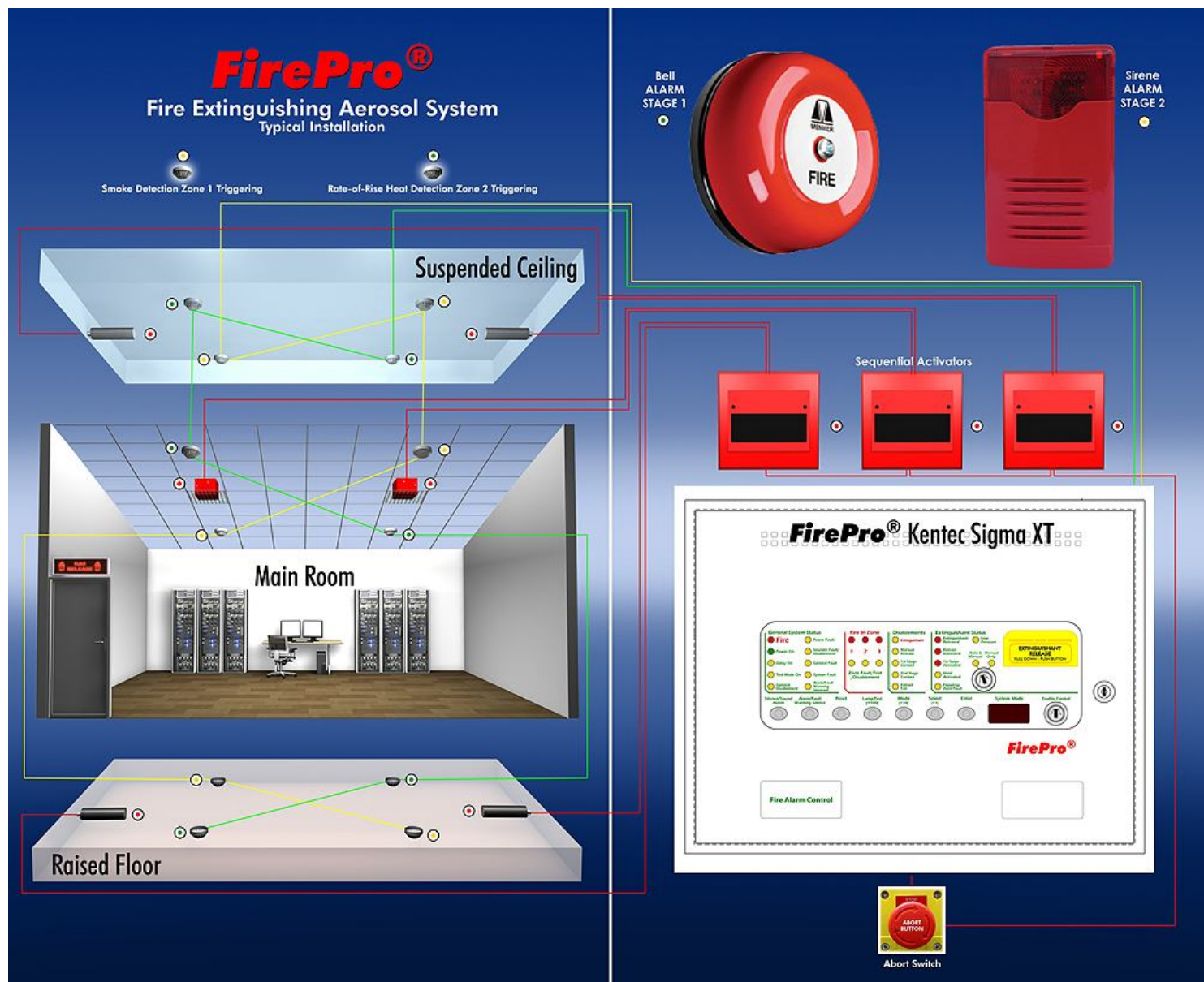


Total Flooding, EPA – SNAP Listed – Halon Replacement Systems

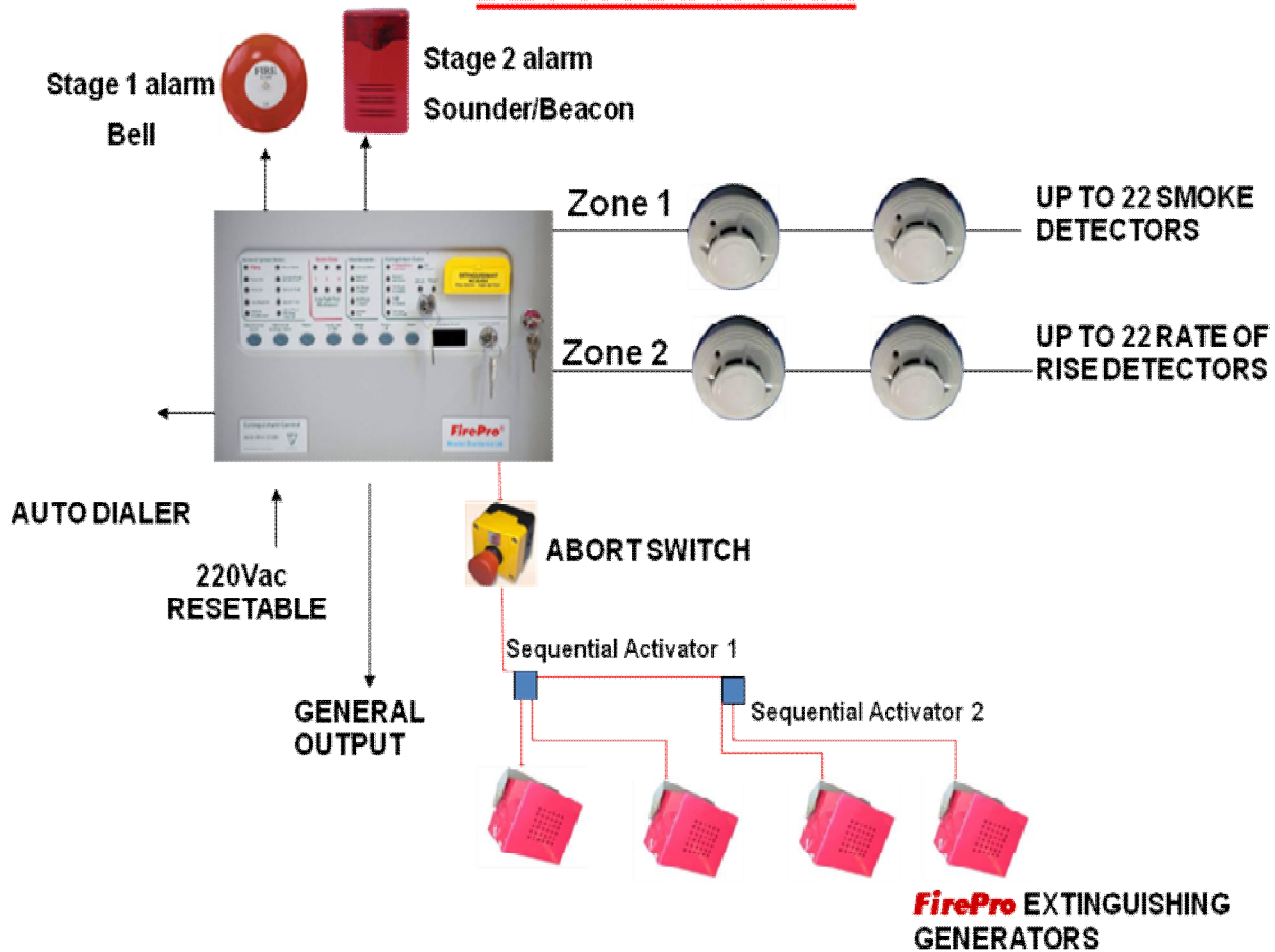
Applications & Total Solutions

Standard Volume Protection Approach



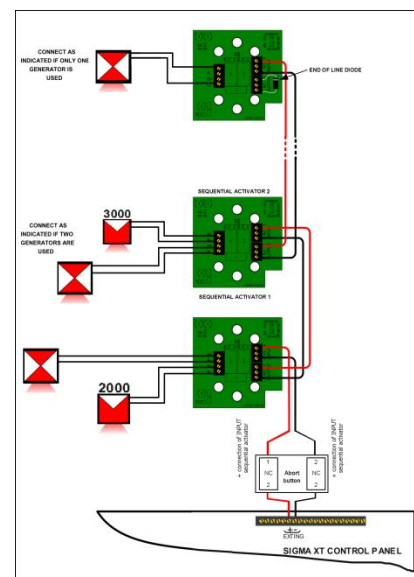
Block Diagram

FIREPRO FIRE EXTINGUISHING SYSTEM **BLOCK DIAGRAM**



Sequential Activator

For connection with FirePro Generators providing 24/7 monitoring



Wind Turbine Protection

FirePro[®]

Fire Suppression Systems
Wind Turbine Power
Generation Protection



Marine Protection



FirePro[®]
Fire Extinguishing Aerosol Systems

**Marine Equipment Directive – MED 2009/26/EC Approved
Fixed Fire Extinguishing Aerosol Systems, as per SOLAS 74**

At the cutting edge of Marine Fire Protection Technology

The advertisement features a central image of a large white and blue cargo ship at sea. Surrounding this are several inset images: a close-up of the ship's deck equipment, an offshore oil rig, a smaller offshore platform, a ship's interior structure, a red offshore supply vessel, and a red tanker ship. The background is a deep blue ocean under a clear sky.



Sjøfartsdirektoratet
Norwegian Maritime Directorate



RINA

SPECIAL APPLICATIONS

Bus / Vehicle Suppression System



FirePro Fire Extinguishant Relay Control Box Model FP-RCB-8

For installing up to 360 FirePro monitored generators



Fire Detection and Extinguishant Controller - Model FPC-1


Battery operated, stand-alone unit with built-in temperature sensor, especially suitable for electrical cabinets, server racks, control cabinets etc



Bulb Thermal Actuators (BTA)

Electric free activation of FirePro generators via temperature sensitive liquid bulb – different temperature ratings available (57, 68, 79, 93, 141 & 182 °C)

Technical Data Sheet

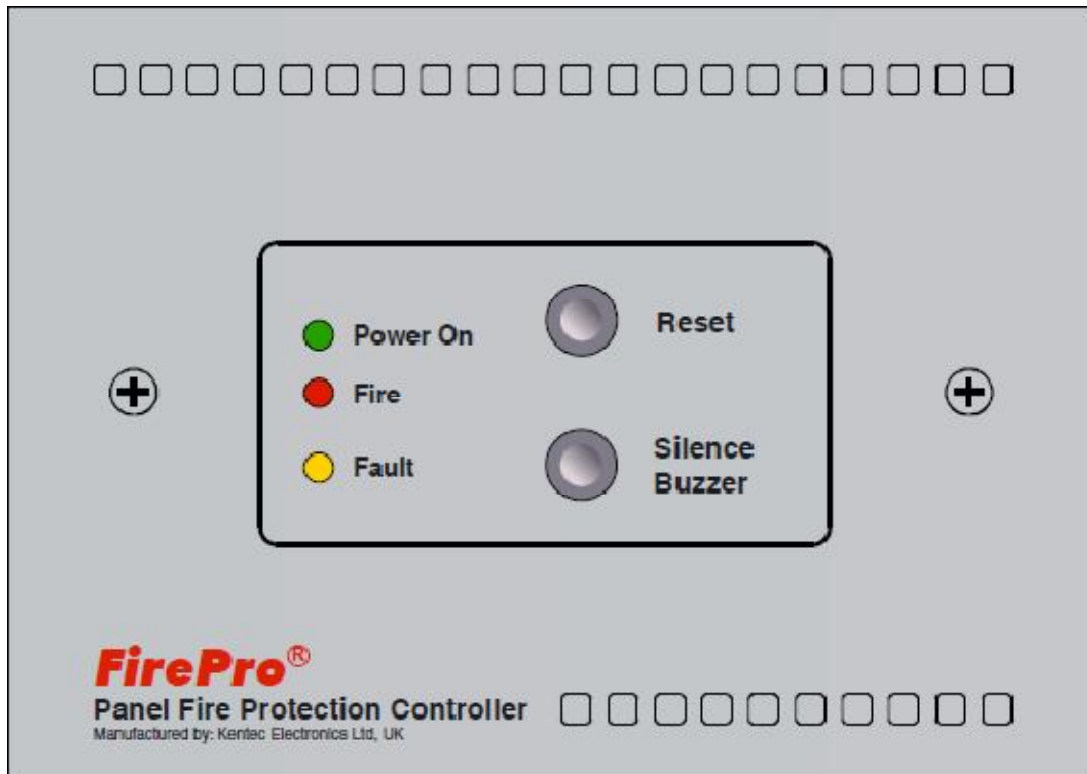
	TECHNICAL INFORMATION
<p data-bbox="241 583 610 646">Bulb Thermal Actuators, Series FP-BTA</p> 	<ul style="list-style-type: none">• According to BSEN12259, UL199, LPCB 291a/02• Thermal Actuator consists of (a) Thermo Lock with Glass Retort, (b) Spring Transmission of percussive mechanism, which initiates the capsule, (c) Safety Ring and Pin during transportation• Temperature Rating, °C, 57, 68, 79, 93, 141, 182• Temperature Tolerance, $\pm 3.5\%$• Bulb Colours, orange, red, yellow, green, blue, mauve, depending on temperature rating• 5 mm diameter frangible glass bulb manufactured from a stock 5 mm tube• During operation the liquid within the bulb will expand until the required operational temperature is reached. At this point the glass bulb will 'burst', allowing the thermal mechanism to actuate the built-in firing pin, which in turn initiates the capsule, and causes ignition of the SBK solid compound in Generator activator• Strength (Crush Load), kN, 4.0 (LTL Typical 3.0 kN)• Typical Operating Time, 28 sec (UL)• Typical RTi, 87 (EN)• Precise calibration of the bulbs during production enables accurate operating temperatures to be achieved• The surface area of the glass is maximised to allow optimum conductivity of heat from surrounding air to bulb liquid

Used with FirePro Systems Limited range of Aerosol Generators

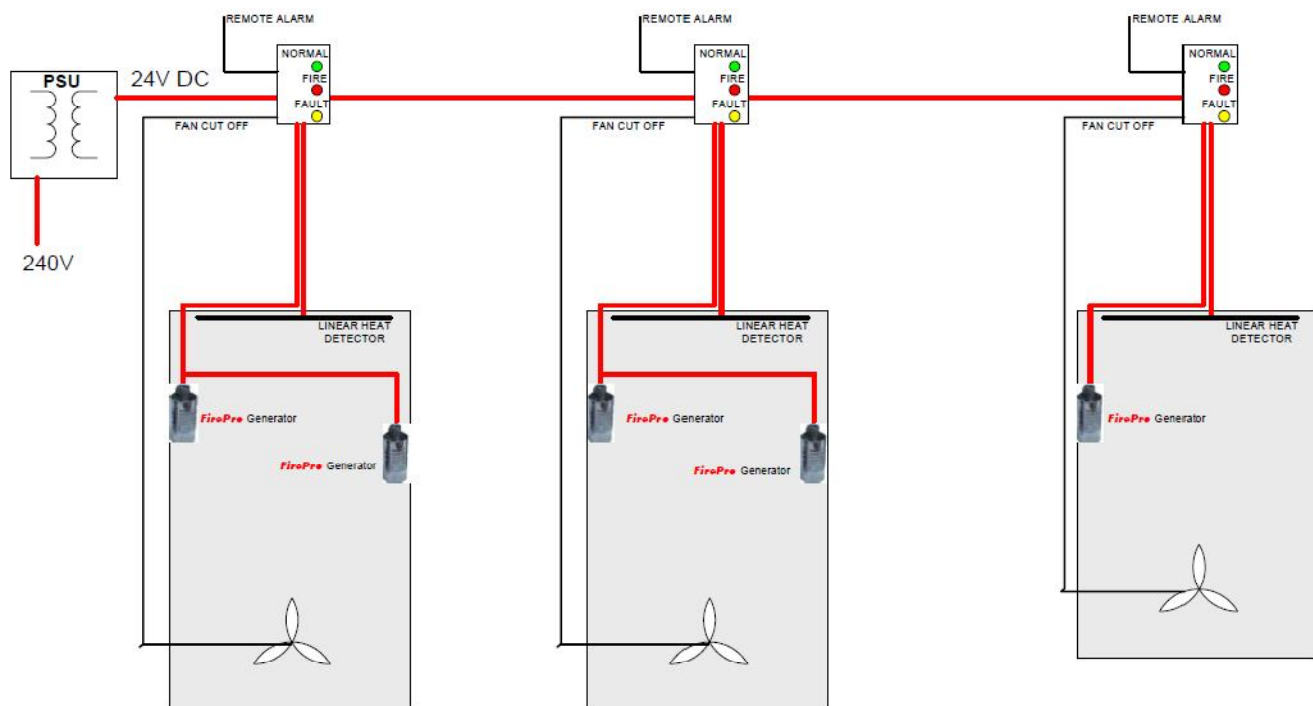


Multiple Panel/Enclosure Protection

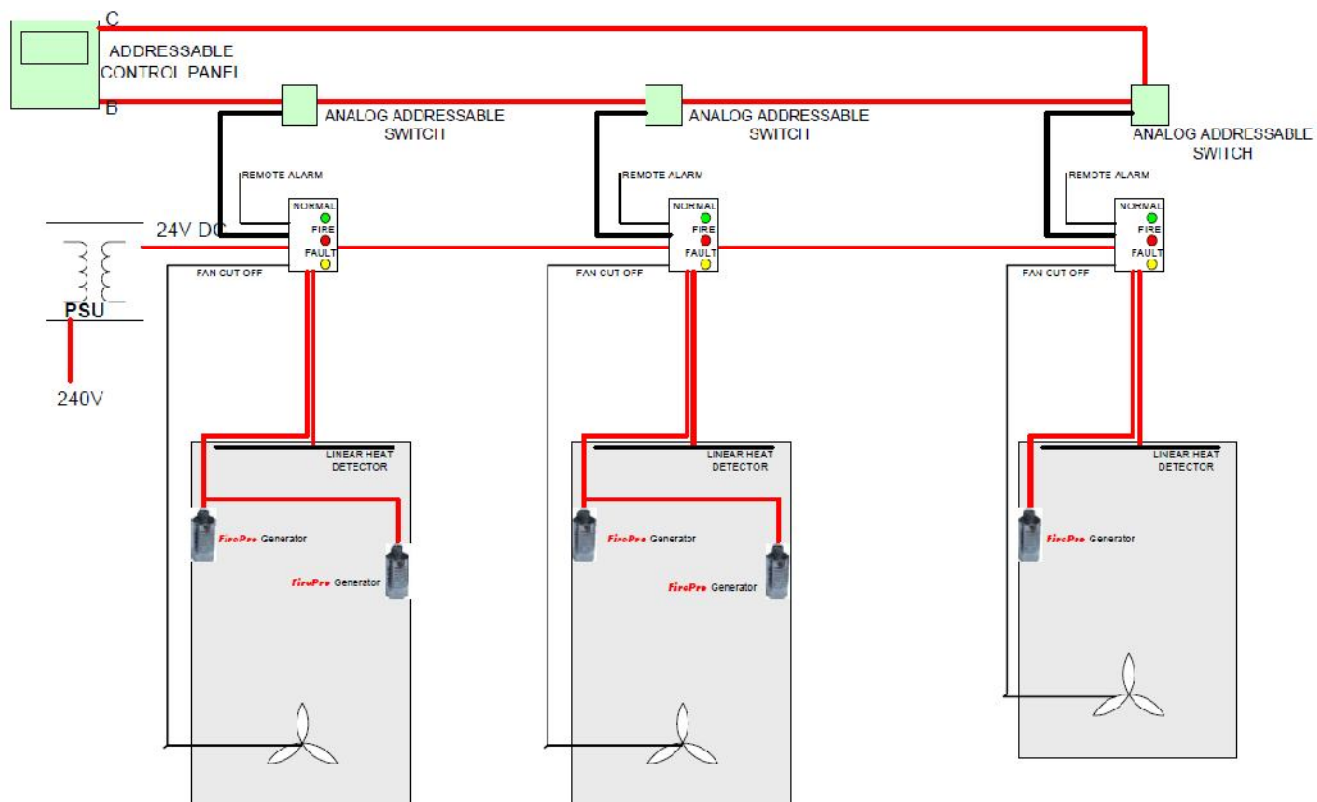
Activation of generators only in the panel that extinguishment is required –
remote signals availability – addressable capabilities



Multiple Panel Protection - Conventional – Remote Signals Availability



Multiple Panel Protection - Advanced Solutions - Addressable Capabilities



Certifications, Listings & Approvals

Listings - Product Certifications



BRL K-23001

ISO / Quality Management Certifications



Marine Type Approvals



RINA



Inspectie Verkeer en Waterstaat



www.firepro.info



Patents of the Technology



European Patent Office -
European Patent no. 0925808



Canadian Intellectual Property Office -
Canadian Patent no. 2,250,325

Special Reports / Assessments / Type Approvals



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FIRE SCIENCE & ENGINEERING