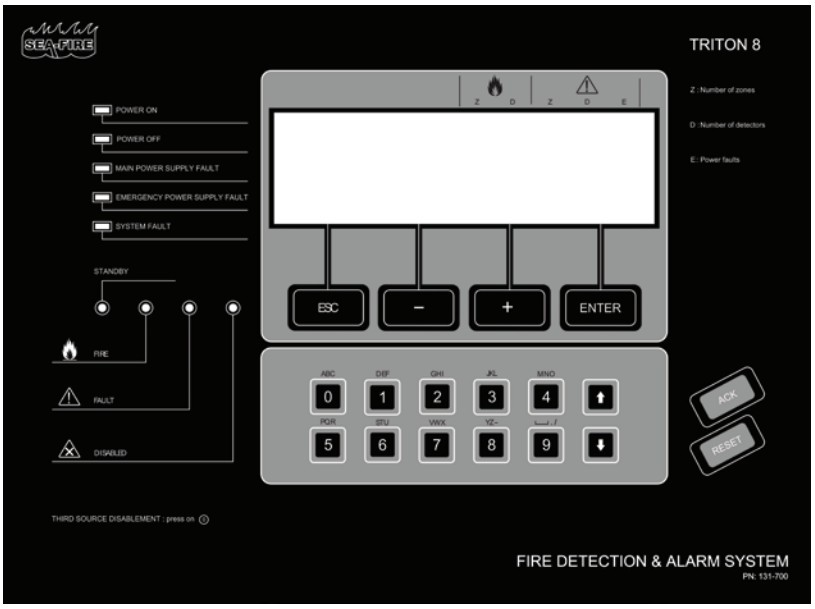
ADDRESSABLE FIRE ALARM PANEL – Triton 8



Sea-Fire Marine's **Triton 8** is a MED Wheelmarked addressable Fire Detection and Alarm system with 8 addressable loops and 32 zones.

The 24 vdc compact unit has a flush fitting membrane fascia panel with LCD screen for alarm identification. This system is designed for the increasing demands of modern vessels in the commercial and recreational marine market.

Capacity	Loops : 8 Zones : 32 zones (32 configurable zones on the eight loops) Detectors : Total capacity of 256 detectors or manual call points, with a standard or watertight base 32 approved detectors and/or manual call points per loop – Compatible with Apollo addressable marine detectors and accessories Optional remote alarm indicators
Display	LED indicators + LCD (8x40 characters) Multilingual text display (French, English, Spanish) selectable from the menu
Configuration	Accessed from the flat front panel keypad or using a standard PC keyboard or a PC connected to the serial port (RS232): - Zone identification - Detector identification - Timer adjustment - Password creation or modification Detectors are addressed by configurable expert cards

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TRITON 8

Inputs/Outputs (in active security mode)	- 24 VCC fire output, with factory set for two minutes time delay (*), compliant with Bureau Veritas stipulations, monitored (*) if after two minutes, no one acknowledges the audible signal, the output is triggered - Fault output, immediate, not monitored - Fire output, immediate, not monitored - 1 programmable output 24 VDC (fire, fire on specific zone Z31 or Z32, fault, fire + fault, ack. or not, temporizable), protected by resettable fuse, monitored. - 1 programmable dry contacts output (fire, fire on specific zone Z31 or Z32, fault, fire + fault, ack. or not, temporizable, NO or NC), protected by resettable fuse, not monitored. - RS485 port for transfer to an external unit or supervision equipment and V.D.R., NMEA protocol type - RS232 port for connecting to a PC (configuration, history) - PC keyboard (configuration, history)

Electrical Characteristics

Main Power supply	24 VDC (- 25% + 30%)
Emergency Power supply	24 VDC (- 25% + 30%)
Third power supply source	Two 3 V (CR2032) batteries to supply the audible alarm should the main and backup power supply sources be lost
Power supply switchover	Automatic
Power supply protection	By fuse, 3.15 A 5x20 mm
Power consumption	0,5 Amp
Loops	Two conductors shielded cable, recommended cross-section = 0.75 mm² Max. cable length per loop = 300 metres Power consumption = 0.03 A rated, 0.15 A max. (with 32 alarm detectors and 32 remote alarm indication LEDs) Protected by resettable 0.2 A fuse
Output switching capacity	1 A using 24 VDC
Connection	Unpluggable connector accepting wires up to 1.5 mm² in cross-section PG9 sealing gland

Mechanical Specifications

Dimensions	Case 231 x 194 x 95 mm Front panel 270 x 204 mm
Weight	3 Kg
Materials	Protected steel case Aluminium front panel, covered with a printed lexan sheet

Environmental Protection

Protection level	IP44
Storage requirements	-30°C to 70°C
Operating requirements	-10°C to 55°C
Maximum Humidity	95% RH – non condensable at 40°C
Mounting	Flush

Approvals

Standard	Approved in compliance with standard EN54 – 2 +A1
M.E.D	Wheelmark certificate
Det Norske Veritas	Type Approval certificate
American Bureau of Shipping	Design Approval certificate

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