

System Overview

System Purpose

The FS10 is a dedicated control and monitoring system for fixed aerosol fire suppression systems in non-IMO marine applications.

You find the FS10 system in two variants, a normal bracket mount unit and a flush mount unit, the function is the same in both variants.

[fs10_main.JPEG](#) [fs10_frame_02.JPEG](#)

*FS10 main for bracket mount
main - Flush Mount*

FS10

System description

The purpose of the FS10 system is to control and monitor a number of aerosol generators mounted in the area to be secured part of a fire extinguishing system.

The primary purpose of the FS10 system is to activate the aerosol generators in event of fire.

The secondary purpose of the FS10 system is to monitor the system itself (e.g. power supplies, aerosol connections, cables and individual system components) and give an alarm if a fault within the system is detected.

Furthermore, two inputs are provided for smoke detectors. The system can be configured (during commissioning) to automatically activate the aerosol generators if one or both detector inputs are active.

Main System Functions

- Continuous system supervision.

- Dual power input monitoring.
- Manual and / or automatic activation.
- Activation delay sequence.
- Warning outputs.
- Ventilation relay control.
- System fault indication.
- Fire alarm detection.
- Event logging.

System Components

- FS10 Main Unit.
- Aerosol generators (generic).
- Remote Panel (optional).
- External activation switch (optional).
- External hold/isolation switch (optional).
- Warning devices.
- Detectors 2 zones (optional).

System Architecture

System Architecture Overview:

drawing-1-1777451696.png

System Behaviour Summary

Condition	Behaviour
Power ON	Self-test, System OK (green)
Fault	Fault LED (yellow), Fault relay NO, buzzer
Fire	Fire LED (red), fire alarm out, buzzer
Activation	Activation LED blinking (solid after discharge), warning out, buzzer

Accessories

- Remote Panel (see [Appendix B](#)).
 - External Activation Switch (see [Appendix C](#)).
 - External Hold/Isolation Switch (see [Appendix D](#)).
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