



FS12 MARITIME FIRE SUPPRESSION SYSTEM

FS12 IMO1270 approved

The FS12 system is a DNV (Det Norske Veritas) approved fire alarm & suppression panel. The design of the FS12 panel is based on the requirements described in the IMO MSC.1/Circ.1270. The FS12 is a fire alarm & suppression panel consisting of two main components. It has been specifically developed for controlling dry condensed aerosol fire suppression generators for the maritime sector. The FS12 system is, therefore, suitable for use in both small and large fire suppression systems.



The FS12/MAIN is the fire suppression control panel and is equipped with a double and therefore redundant installed ring system.

The FS12/SUB/B is the decentralized control unit in the FS12 system. This ensures the electrical actuation of the aerosol suppression generators. One FS12/SUB/B unit is required per suppression generator. The FS12/SUB/B units, which are connected to the loop system, are constantly monitored for short circuits and wire breaks. A maximum of 20 aerosol suppression generators can be connected to one system

In addition, a separate remote release button is available when it must be possible to remotely activate the fire extinguishing system from another location.

With the FS12 test unit, functionality is tested after the installation is completed or during maintenance. The FS12 tester gives a good indication of the nominal state of the system. Extinguishing units are not activated during the test. Connected to the sub B unit, all vital functions are extensively tested and possible errors are displayed.



Specification FS12

Fire Suppression Control Unit

Article number	KG/FS12/MAIN
Dimensions h x b x d	179,2x199x109,5mm
Degree of protection	IP65
Power supply	2x24Vdc (-25% / +30%)
Activation current	850mA
Quiescent current	<3.5A
Alarm current	<0.5A

Sub unit B

Article number	KG/FS12/SUB/B
Dimensions h x b x d	80 x 125 x 57mm
Degree of protection	IP66

External release

Article number	KG/FS12/Remote
Dimensions h x b x d	82 x 80 x 88 mm
Degree of protection	IP65 (switch IP67)

The KG/FS12/MAIN version is specifically developed for K&G. In addition to additional functions, this KG version also has a provision that, in the event of a complete power failure, a fault message is always guaranteed. In combination with the K&G KVB fire extinguishing units, which are specially prepared for plug & play connection with the FS12 system, it makes an ideal but above all a highly reliable and fire extinguishing combination.



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Principle diagram

This is a diagram of operating principles of the FS 12 fire / extinguishing installation. This diagram is intended to be supportive, but is not intended and suitable for technical implementation.

