Fire Suppression System

Log Book

For marine control panels, and FirePro Condensed Aerosol Generators as per System Design

Keep Readily Available For Inspection

Protect logbook by storing it in a safe place next to the Fire Extinguishing Panel and a copy into a safety box

Contents

1.0 INTRODUCTION

This fire suppression system must be inspected, tested, maintained every year.

All events related to the fire suppression system need to be recorded without exception in this logbook, e.g. fire extinguishant alarms, failures, checks, repairs and changes made. This procedure provides a continuous documentation concerning the actual status as well as the operation condition of the fire suppression system. We would therefore advise you to record every event, and particularly the periodical checks, in this logbook upon occurrence and/or completion. The only people authorized to make entries into the logbook are the manager (Trained Person), the contractor or his maintenance expert (ME).

Failures that cannot be solved immediately need to be reported to the contractor at once.

In case performance requirements regarding 'real fire alarm', undesired fire notification' or 'false fire notification' are listed in the Operational Requirements, this must be reported in this logbook.

During the yearly check, the manager (trained person) and the maintenance expert will use this statistic to evaluate the performance of the operational requirements and take action if necessary.

2.0 GENERAL DATA

Useful Project Details

Project number.....

Date of completion: [...../...../.....].....

Building.....

Address of premises.....

.....

Owner / Manager.....

Dealer.....

Fire Detection Company.....

Contractor.....

Maintenance:....[Y/N].....Serial# [.....]...Date:[...../...../.....].....

Trained Person.....

Relay alarm fire.....

Location of log book.....

Useful Telephone Contacts

In Emergency Dial.....

Fire Safety Department.....

Emergency Service Control Room.....

Fire Safety Officer.....

Fire Extinguisher – Repairs.....

Fire Alarm – Repairs.....

Building Maintenance.....

I have read this document and understand its contents

Owner / Manager...[Name].....[.....]

Owner / Manager...[Signature].....[.....]

Date: [...../...../.....]

3.0 EQUIPMENT IN USE - FIRE SUPPRESSION SYSTEM DESIGN

FIRE CONTROL PANEL & ACCESSORIES – SYSTEM DESIGN

	Brand	Model	Quantity	Location
Ext. Control Panel				
Main supply/Emergency Supply				
Sounder				
Linear Heat Detector				
Conventional Detectors				
Isolation Switch				
Remote activation switch				
External Power supply				
Power Off Devices				

FirePro CONDENSED AEROSOL GENERATORS – SYSTEM DESIGN

Generator	ID	Location	Type (*)	Location	Subunits	ID
Generator	01				Subunit	01
Generator	02				Subunit	02
Generator	03				Subunit	03
Generator	04				Subunit	04
Generator	05				Subunit	05
Generator	06				Subunit	06
Generator	07				Subunit	07
Generator	08				Subunit	08
Generator	09				Subunit	09
Generator	10				Subunit	10
Generator	11				Subunit	11
Generator	12				Subunit	12
Generator	13				Subunit	13
Generator	14				Subunit	14
Generator	15				Subunit	15
Generator	16				Subunit	16
Generator	17				Subunit	17
Generator	18				Subunit	18
Generator	19				Subunit	19
Generator	20				Subunit	20
Generator	21				Subunit	21
Generator	22				Subunit	22
Generator	23				Subunit	23
Generator	24				Subunit	24
Generator	25				Subunit	25
Generator	26				Subunit	26
Generator	27				Subunit	27
Generator	28				Subunit	28
Generator	29				Subunit	29
Generator	30				Subunit	30
Generator	31				Subunit	31
Generator	32				Subunit	32
Generator	33				Subunit	33
Generator	34				Subunit	34
Generator	35				Subunit	35
Generator	36				Subunit	36
Generator	37				Subunit	37
Generator	38				Subunit	38
Generator	39				Subunit	39
Generator	40				Subunit	40

4.0 ENGINEERING

In this section insert engineering drawings and large sketches. Must be noted in the below list by reference: number, title, date, and short description of what the drawing portrays.

S/N	Reference number	Date	Title	Short description
1				
2				
3				
4				
5				

5.0 MANAGER (TRAINED PERSON)

Persons trained and instructed to act as manager (trained person). A person is to be regarded as competent for the purposes of the Fire Suppression System where he has sufficient training and experience or knowledge and other qualities to enable him properly to assist in undertaking the preventative and protective measures.

Date	Name	Responsibility

6.0 PERIODICALLY CHECKS AND PRECAUTIONARY MAINTENANCE BY SERVICE EXPERT

Year Planner:

Note: It is important that operations for testing do not result in unwanted situations. Before start please do the followings:

-Ensure that the system will not activate the Condensed Aerosol Generators **(PRESS THE ISOLATION SWITCH)**

	Notes	Comments
	Visual Inspections:	
01	Visually inspect the Control Panel to ascertain that it shows normal operation.	
02	Visually inspect the Control Panel for signs of moisture ingress or other deterioration.	
03	Visually inspect whether structural or occupancy changes have affected the requirements for the sitting of isolation switch, manual activation, detectors and sounders.	
04	Visually inspect to confirm that a clear space of at least 30cm is preserved in all directions below each detector, if applicable. All points remain unobstructed.	
05	Visually check that all cable fittings and equipment are secure, undamaged and adequately protected.	
06	Visually inspect that the Condensed Aerosol Generators remain unobstructed.	
07	Visually inspect, ensure that the Condensed Aerosol Generators have the appropriate discharge length.	
08	Visually inspect the compartment for possible openings / leakages.	
	Fire Extinguishing control panel check:	
09	Inspect Main supply/Emergency Supply, if applicable. Examine batteries, their connections and testing.	
10	Check all ancillary functions of the extinguishant control panel, where possible.	
11	Check all fault indicators and circuits by simulating a fault condition.	
	Extinguisher check:	
12	Remove the E.O.L. component, if applicable or aerosol generator and ensure that the control panel detects the fault.	
13	Check the electric initiator (activator) wire and aerosol generator resistance. By using an ohm meter ensure that the resistance of the electric initiator (activator) is between 1.6-3.6 Ohms.	
	Clean Detectors:	
14	Clean each detector, if applicable for correct operation.	
	Check Alarm Conditions:	
15	Check that the System can operate under alarm conditions by triggering the inputs of the control panel, Internal buzzer, single loop, double loop, warning lamps, and seals, if applicable	
16	Check each detector for correct operation, if applicable	
17	Check each alarm sounder for correct operation.	

	Commissioning	
18	De-activate the Isolation Switch	
	Ventilation Inspection:	
19	Inspect Fire Dampers and Fire Stop Flaps	
	Logbook:	
20	Check entries to logbook and ensure that necessary actions are taken.	
21	Record any defects in a logbook	
	Certificate:	
22	Upon completion, a certificate of testing is issued to the responsible person.	
Note: Record problems found in the history log.		

Date: [...../...../.....]

Signed: [.....]

Name Signed: [.....]

7.0 HISTORY LOG

HISTORY LOG Record all the actions taken regarding the Fire Extinguishing System Inspections, Problems, Actions, Maintenance, False Alarms, Incidents, Repairs etc					
	•Trained Person •Installer •FirePro Dealer	•Control Panel •Detector •Other	•Compartment •Det. Number •Panel Number •Other	•Periodically checks •Precautionary maint.by Ser.Expert •Maintenance by trained person •Info. Installing Com. •Other	•Other
Date	User	Device	Location/Number	Action Taken	Signature

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Date	User	Device	Location/Number	Action Taken	Signature

8.0 CERTIFICATION

CERTIFICATION OF CONDENSED AEROSOL FIRE SUPPRESSION SYSTEM

This is to confirm that the following Fire Suppression System, [.....]
of the company / Boat / Vessel [.....],
located at [.....],
has been designed in accordance to the applicable marine, Laws and Regulations. In addition, the above mentioned system has been designed, installed, commissioned and tested as per manufacturer's (FirePro Systems) Specifications, Instructions and Guidelines.

	Full Name	Title	Signature	Date:
Designed by: Contractor / Consultant / Installer	----------	----------	----------	----------
Installed by: Contractor / Installer	----------	----------	----------	----------
Reviewed by: System Validation *See note d.	----------	----------	----------	----------

DISCLAIMER:

a. Any information provided by FirePro Systems, relevant to the design and application of the project is solely for guidance purposes and can be considered as such only.

b. It is, therefore, the contractor's sole responsibility to verify whether the above circuit design is functional with the equipments used in his Application / System design.The responsibility to produce the actual design documentation, such as construction and as-built drawings, circuit diagrams, specifications etc., falls within the scope of the contractor responsible for the installation and commissioning (and certification if applicable) of the project. It is, therefore, the contractor's sole responsibility to ensure that all applicable National, International and local standards, laws and regulations are followed and applied.

c. Cable sizes are indicative since they can vary depending on actual cable lengths and respective voltage drop calculations, which do not fall within the scope of FirePro Systems.

d. System Validation refers to compliance with the guidance of the FirePro User Manual in respect to the relevant standard.

DISCLAIMER

FirePro Systems Ltd makes no representations or warranties of any kind, either express or implied, statutory or otherwise, including but not limited to warranties of merchantability, fitness for a particular purpose, of title, or of non-infringement of third party rights, including the intellectual property rights of others.

Any information provided by FirePro Systems Ltd, relevant to the system engineering of the project is indicative and for guidance purposes only.

It is the contractor's responsibility to verify whether any circuit design is compatible with the equipment used in the system. Furthermore, the responsibility for the preparation and/ or approval of a project, subject to its specifications/ technical features and its related documentation, designs or drawings adherence (e.g. design documentation, construction, as-built drawings, circuit diagram, cable lengths, and voltage drop calculations, etc.) to local, national and international laws and regulations, falls entirely within the scope of the contractor/ consultant assigned for the installation and commissioning.

LIMITATION OF LIABILITY

In no event, regardless of cause, shall FirePro Systems be liable for any indirect, special, incidental, punitive, or consequential damages of any kind, whether arising under breach of contract, tort (including negligence), strict liability or otherwise, even if advised of the possibility of such damages.

NOTE

FirePro is constantly updating its products and systems to the state of the art and therefore reserves the right to make changes in design, equipment, and technology. You cannot therefore base any claims on the data, illustrations or descriptions contained in this literature.

Address:

Tel.:

Email: