

Initial Start-up and Service Checklist

	Steps	o.k.	not o.k.	n/a
1	Smoke Collectors Check for location and secure mounting of the smoke collectors in the monitored areas.			
2	Pipe and Hose Connections Check all pipe and hose connections for secure fastening and support.			
3	Assignment of Pipe and Hose Connections Check the assignment of pipe and hose connections to the hose fittings of the smoke detection system. Incorrect connections will cause incorrect alarm indication in a fire.			
4	Cleaning the Pipes *) Thoroughly clean all pipes with compressed air. The pipes must be free of rust, dirt and other particles. WARNING: Before doing this, ensure that the flexible hoses are disconnected from the smoke detection panel and extension, because otherwise the pressure switches that monitor the air flow could be damaged.			
5	Fastening of the Smoke Detection System Check all installations in the smoke detection system, including the fan unit, for secure mounting.			
6	Cable Connections Check all cable connections for proper position and correct connection.			
7	Connection of Cable Shields Check the correct connection of the shields for the cables to the repeater panel(s), relay box and extension panel(s).			
8	Earth Connection Check the earth connection.			
9	Terminal Resistors Check the 120 Ohm terminal resistors at the ends of the bus cable.			
10	Turning on the Smoke Detection System <i>Set the 3-way valves to position "smoke detection system". Ensure that no painting or welding is going on in the monitored areas (contamination hazard for the smoke detectors).</i> Turn on the main and auxiliary power supplies. The line and address number setting shown during the start message must match the actual line and address number. Acknowledge any fault warnings with a quick press of the button and, if necessary, remedy the reported fault.			
11	Lamp and Buzzer Test **) Carry out a lamp and buzzer test. For this, press the ACCEPT button not longer than 6 seconds. All lamps, the background lighting for the LC display and the buzzer must be on while the button is pressed.			
12	Fan Test *) Check whether the active fan is drawing air. Then check the second fan by activating the special function "Switch Fans"			

*) This test shall be repeated every 3 month

**) This test/step shall be repeated daily

Smoke Detection System SDS-48

13	<p>Power Supply</p> <p>Check function of main and emergency power monitoring. For this, switch off the main and the emergency power supply one at a time. A corresponding fault warning “FAULT: Main Supply” or “FAULT: Emergency Supply” must appear.</p>			
14	<p>Air Flow Monitoring *)</p> <p>Close each 3-way valve one at a time. After a few seconds a corresponding fault warning “FAULT: Airflow Line -x-” must appear for each line.</p>			
15	<p>Smoke Test *)</p> <p>Carry out a smoke test for each smoke collector. For this, bring a smoke generator in the vicinity of each point in the cargo spaces where air is drawn. A suitable smoke generator is available on request (part no. B30.001). Check the fire alarm at the smoke detection panel and at the repeater panel(s).</p> <p><i>For the 3-monthly-check, cigarette smoke can alternatively be blown directly into the flexible hose at smoke detection panel. Important: Smoke must be present at the smoke detector for several seconds. Close appropriate 3-way-valve to prevent quick removal of smoke during test.</i></p>			
16	<p>General Alarm</p> <p>Let a fire alarm go for at least 2 minutes without acknowledging it. The LCD will then display: GENERAL EMERGENCY ALARM and the relay for the general alarm will be activated.</p>			
17	<p>Final Test *)</p> <p>Reset the fire alarm and ensure that no fault warnings are indicated. When no fault and no fire alarms are showing any more, the smoke detection system is ready for operation.</p> <p>If, after testing the smoke detection system, painting must be done, the smoke detection system must be removed from operation until this work has been completed. Removing the transformer fuse F1 from the power supply module can take the system out of operation.</p>			

*) This test shall be repeated every 3 month

Notes:

Shipyard:	Name of Ship:	Hull Number:
Date:	Signature of the Installation Firm:	Customer Signature: