



Lloyd's
Register

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the LR Type Approval System.

This certificate is issued to:

PRODUCER	Zenitel Marine A/S P.O.Box 1068 Bromsveien 17 N-3194 Horten Norway
PLACE OF PRODUCTION	Zenitel Etronic A/S Rodeledsvej 95 DK-5700 Svendborg Denmark
DESCRIPTION	Public Address and General Alarm system
TYPE	SPA-V2 Including components and modules: VPA-120/240/400 Zenitel Amplifiers rating 120W / 240W / 400W AW- Paso Amplifiers rating 120W / 240W / 500W 8121/8241/8510 SPA-M1S-V2 Microphone Panels SPA-M1S-D SPA-M1H-V2 SPA-M1H-D SPA-M6S SPA-M6S-D SPA-M6H SPA-M6H-D
Certificate No.	14/70018
Issue Date	30 January 2015
Expiry Date	29 January 2020
Sheet	1 of 3

Lloyd's Register EMEA
Strandvejen 104A, DK-2900 - Hellerup


Jacob Munk Plum
Copenhagen Tech. Support Office

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SPA-AC6	Alarm Panels
SPA-AC6-D	
SPA-W1-V2	Combined microphone and alarm panels
SPA-W1-D	
SPA-W1AR-V2	
SPA-W1AR_D	
SPA-W6A4	
SPA-W6A4-D	
VM5-R	Volume Controls
VM15-R	
VM50-R	
VM15-RD	
VM50-RD	
SPA-TERM-V2	Function boards
SPA-CHIME-V2	
SPA-EMS-V2	
SPA-FAIL	
SPA-MUL-V2	
SPA-EE3-V2	
SPA-EE3D-V2	
SPA-AL-REL-V2	
SPA_VDR_V2	
Paso58xx-D	19" System rack for 12/16/20/24 HU (Height Units), where xx is the height in HU
AEH80US24	Power Supply Unit

The SPA covers the following:
Only PA system SPA2-xx-P with system rack and minimum one amplifier.
Integrated PA/GA system for standard vessels SPA2-xxGD
with system rack and min. two amplifiers. .
Integrated PA/GA system for passenger vessels SPA2-xxGP
With min. two amplifiers divided in two separate system racks..

APPLICATION

Marine, offshore and industrial use in category ENV1 and ENV2 as detailed in Lloyd's Register Test Specification No.1, 2002.

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SPECIFIED STANDARDS Manufacturers Specifications.

OTHER CONDITIONS Type Approval of products according to Test Specification No. 1 is essentially test of hardware. Examination of software aspects is restricted to functional operation as demonstrated in the Performance Test.

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. 14/70018 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No. 14/70018
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