



TYPE APPROVAL CERTIFICATE
No. **ELE515109CS/001**



This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	Public address and general alarm system
<i>Type</i>	ELEMEC PLUS PAGA SYSTEM
<i>Applicant</i>	GAI-TRONICS, A HUBBELL LTD. COMPANY Brunel Drive, Stretton, Burton Upon Trent, DE13 0BZ UNITED KINGDOM
<i>Manufacturer</i>	GAI-TRONICS, A HUBBELL LTD. COMPANY
<i>Place of manufacture</i>	Brunel Drive, Stretton Burton Upon Trent, DE13 0BZ, UNITED KINGDOM
<i>Reference standards</i>	Rules for the Classification of Ships- Part C - Machinery, Systems and fire protection - Ch.3 ; Sect. 6, Tab.1

Issued in **Genoa** on **May 25, 2010**. *This Certificate is valid until* **May 25, 2015**



RINA

Valerio Bonanni

This certificate consists of this page and 1 enclosure

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ELEMEC PLUS PAGA SYSTEM



GAI-TRONICS Public address and general alarm system consisting of:

Model	Description	Drawings
D600i	Power Amplifier Unit Class D 2x300W	025-03-0030-XXX
CPU100	P.A. Control Unit	333-00-0081-111
AP100DT	ELEMEC Plus Desktop Access Panel	333-00-0081-114
AP100RM	ELEMEC Plus 19" Rack Mount Access Panel	333-00-0081-113
AP100OB	ELEMEC Outdoor Bulkhead Access Panel	333-00-0081-116
AP100IP	ELEMEC Plus Bulkhead Indoor Access Panel	333-00-0081-115
AP100EX- GRP	ELEMEC Plus Weatherproof Bulkhead Access Panel	333-00-0081-117
WS100	Gai-Tronics Embedded Web Server Card	999-09-1059-002
RSC100	Gai-Tronics RS485 / 232 Converter.	999-09-1062-001
S8VM	OMRON 24Vdc switch mode power supply	975-00-0068-000

Technical description:

GAI-TRONICS Systems _ ELEMEC plus_ Digitally controlled PA and Alarm System PA/GA with Class 'D' Amplifier
OMRON Catalogue: Switch mode power Supply S8VM

Test Reports:

Mariner System UK Ltd. report n. TL1334 (23/12/2009)

GAI-Tronics Statements (12/052010)

Remarks:

Prior to each fitting on board P.A. G.A. system configuration is to be examined and approved.

Genoa May 25, 2010

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