

# EC Certificate Type Examination (Module B)



This is to certify that:

Germanischer Lloyd, a Notified Body under the terms of the Marine Equipment Directive 96/98/EC of 20 December 1996, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 96/98/EC as amended, subject to any conditions in the schedule attached hereto.

Certificate No. **19 702 - 11 HH**

Applicant **European Safety Systems Ltd.**  
**Impress House Mansell Road, Acton  
London, W3 7QH, UNITED KINGDOM**

Product Description **Alarm Sounders**

Product Name **A105N, A112N, BExS110D**

Trade Name **A105N, A112N, BExS110D**

Specified Standards **EN 54-3:2001/A1:2002/A2:2006  
IEC 60092-504 (2001)  
IEC 60533 (1999)**

Related Directive **2009/26/EC**

Equipment Section **Fire protection**

Annex A.1 Item No. **A.1/3.53**

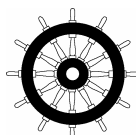
Date of Issue **2011-07-08**

Expiry Date **2016-07-07**

**Germanischer Lloyd**

**Notified Body No.: 0098**

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**Nils Wegener**

Certificate No: 19 702 - 11 HH      Date of Issue: 2011-07-08

## Schedule of Approval

### Approval Documentation

Test Reports of Intertek: No. 11051075, No. EM11051075(a), EM11051075(b), EM11051075(d),  
Addendum to No. EM11051075(d) Issue 1, No. 11051075A;  
Test Reports of VdS: No. BMA 05119, No. SW-2005214, No. BMA 07080, No. BMA 06016;  
Drawings: No. CD 2270(A), No. CL 2270-24DC(A),  
No. PL 2270(A), No. D 2270(A), No. D 2271(A), No. D2250(A);  
Drawings: No. CD 4770(A), No. D 4770(A), No. D 4771(A), No. CL 4470-24(A),  
No. PL 4770(A), No. D4750(A);  
Drawings: No. CD 2411MED, No. D 2444-03CPD(A), No. PL2444-03CPD(A), No. CL 2411MED(A), No. AAL0016(A);  
Installation Instructions: A105N, A112N; Instruction Manual: BExS110D

### Technical Data

#### A105N

Multitone sounder: 32 alarm tones, 3 stages  
Power supply: 24V DC  
Current consumption: 25mA  
Degree of protection: IP66

#### A112N

Multitone sounder: 45 alarm tones, 3 stages  
Power supply: 24V DC  
Current consumption: 200mA  
Degree of protection: IP66

#### BExS110D

Multitone sounder (flameproof): 32 alarm tones, 3 stages  
Power supply: 24V DC  
Current consumption: 265mA  
Degree of protection: IP66

### Remarks

None

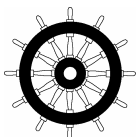
### Limitations on the acceptance or use of the product

None

### Notes:

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform Germanischer Lloyd, as the Notified Body, of any modifications or changes to the approved equipment.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body.