

# 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**

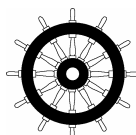
Expiry Date **2016-07-07**

**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

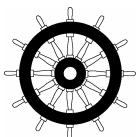
### Limitations on the acceptance or use of the product

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.

# EC Certificate of Conformity Quality System (Module D)



Germanischer Lloyd as the notified body performing the quality assessment procedures certifies that the manufacturer maintains and applies a quality system which is in compliance with the requirements of the Marine Equipment Directive (MED) 96/98/EC, as amended, ensuring that the equipment identified below is conform to the type as described in the EC Type Examination Certificate, subject to any conditions in the schedule attached hereto.

Certificate No. **19 703 - 11 HH**

Manufacturer **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**

EC Type Examination  
Certificate No. **19 702 - 11 HH**

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

Valid Until **2016-07-07**

Notified Body ID No. **0098**

Related Directive **2009/26/EC**

Equipment Section **Fire protection**

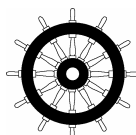
Annex A.1 Item No. **A.1/3.53**

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

Expiry Date **2016-07-07**

**Germanischer Lloyd**

**Notified Body No.: 0098**



**Nils Wegener**

**Certificate No:** 19 703 - 11 HH      **Date of Issue:** 2011-07-08

## Schedule of Approval

### Remarks

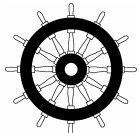
None

### Notes:

This certificate authorises the manufacturer in conjunction with the EC Type Examination (Module B) Certificate of the equipment listed before to affix the Mark of Conformity (wheelmark) to the product described herein.

This certificate loses its validity if the manufacturer makes any changes or modifications to the approved quality system, which have not been notified to, and agreed with the notified body named on this certificate and/or after lapse of time, withdrawal or revocation of the EC Type Examination (Module B) Certificate.

Wheelmark Format and application:



0098/yy

0098

yy

Notified Body number undertaking quality surveillance

Last two digits of year in which the mark is affixed