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

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 certifiate, 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.