



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED ⁽¹⁾/ APPROVAL EXTENDED ⁽¹⁾/
APPROVAL REFUSED ⁽¹⁾/ APPROVAL WITHDRAWN ⁽¹⁾/ PRODUCTION DEFINITELY
DISCONTINUED ⁽¹⁾ OF A TYPE OF ELECTRICAL/ ELECTRONIC SUB-ASSEMBLY ⁽¹⁾ WITH
REGARD TO REGULATION NO. 10.05



Approval No: E11*10R05/00*4033*04

1. Make (trade name of manufacturer): Whelen Engineering
2. Type and general commercial description(s): Emergency Vehicle Siren Systems
3. Means of identification of type, if marked on the ~~vehicle/component/separate technical unit~~: ⁽¹⁾
Model number; see manufacturer's documentation for list of model variants and their numbers
 - 3.1. Location of that marking: Label on top or base of unit
4. Category of vehicle: Not applicable
5. Name and address of manufacturer:

Whelen Engineering
51 Winthrop Road
Chester
CT 06412-0684
United States
6. In the case of components and separate technical units, location and method of affixing of the approval mark: Part of the same label as item 3.1

7. Address(es) of assembly plant(s):

Whelen Engineering
51 Winthrop Road
Chester
CT 06412-0684
United States

Woodway Engineering Ltd.
Lower Road, Barnacle
Coventry
CV7 9LD
United Kingdom

8. Additional information (where applicable): See appendix

9. Technical Service responsible for carrying out the tests: SGS United Kingdom Limited

10. Date of test report: As before (09 July 2018) and technical review letter 05 August 2019

11. No. of test report: As before (AUT256425/1) and technical review letter AUT269318/1

12. Remarks (if any): None

See appendix

13. Place: BRISTOL

14. Date: 30 SEPTEMBER 2019

15. Signature:



D LAWLOR
Chief Technical and Statutory Operations Officer

16. The index to the information package lodged with the Approval Authority, which may be obtained on request, is attached.

17. Reasons for extension: To cover:

1. Change approval from Woodway Engineering Ltd. to Whelen Engineering
2. Correction to model name numbers
3. Add new model variants

(1) Strike out what does not apply.

Appendix

to type-approval communication form No. E11*10R05/00*4033*04

concerning the type-approval of an electrical/electronic sub-assembly under Regulation No. 10.05

1. Additional information:
 - 1.1. Electrical system rated voltage: 12/24 V. ~~pos~~/neg ground ⁽¹⁾
 - 1.2. This ESA can be used on any vehicle type with the following restrictions: 12/24 neg ground
 - 1.2.1. Installation conditions, if any: See instructions with product
 - 1.3. This ESA can be used only on the following vehicle types: Not applicable
 - 1.3.1. Installation conditions, if any: Not applicable
 - 1.4. The specific test method(s) used and the frequency ranges covered to determine immunity were: (Please specify precise method used from Annex 9):
20 to 200MHz (BCI at 60 m-Amps), 200 to 2000MHz (Free field at 30 V/m)
 - 1.5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: SGS United Kingdom Limited (Durham, United Kingdom)

2. Remarks: None

(1) Strike out what does not apply.



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APPROVAL NUMBER: E11*10R05/00*4033*04

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: 04

Conformity of Production (COP) Declaration COP Confirmed

Assessment Method ISO/TS Cert and Control Plans

Date of Initial Clearance January 2015

Date of Last Clearance July 2018

Total number of sheets: 21 (Twenty one)

Reasons for Revision: See approval certificate

Revision Date
&
Office Stamp



ECE Reg 10.05 information regarding
approval for E-marking of Component/STU.

General Details: Change approval from Woodway engineering Ltd to Whelen Engineering, correction to model name numbers and add new model variants.

<u>Section 1</u>	<u>Make. (trade name of manufacturer)</u> Whelen Engineering.
<u>Section 2</u>	<u>Type: General Commercial Description.</u> Emergency Vehicle Siren Systems.
<u>Section 3</u>	<u>Means of identification of type, if marked on the Component/STU.</u> Add new model variants: HHS3200E - 12V HHS3200 with European functionality HHS4200E - 12V HHS4200 with European functionality HHS3400 - 24V HHS3200 HHS4400 - 24V HHS3200 HHS3400E - 24V HHS3200 with European functionality HHS4400E - 24V HHS4200 with European functionality 295HF Series: 295HFS2, 295HFS2X, 295HFSA7, 295HFSC9, 295HFSDA 295HF100 Series: 295HF100 295SDA Series: 295SDA1, 295SDA2 295SL Series: 295SL100, 295SL101, 295SL102 295SLS Series: 295SLSA1, 295SLSA6, 295SLSC1, 295SLSC6, 295SLSE1 295SSA Series: 295SSA1, 295SSA2 Alpha Series: ALPHA12S, ALPHA12X, ALPHA24R, ALPHA24S, ALPHASL Beta Series: BETA1, BETA112E, BETA112R, BETA124E, BETA124R, BETA2, BETAMIC Combination Siren Amplifier & Speaker: WSSC30_, WSSPA30_ Control Head (HHS): 01-0288277-00 Epsilon Series: EPSL1, EPSL1S1, EPSL2S6, EPSL2S9 Euro Series: EURO-1, EURO-1MB Gamma Series: GAMMA2 HHS Series: HHS2200 HHS3200 Series: HHS3200, HHS3200E HHS4200 Series: HHS4200, HHS4200E PAH Series: PAH112 PAP Series: PAP112 Siren Speakers: Howler, SA314A, SA314B, SA315P, SA315TX3, SA316P, SA31101D, SA31101P, SA340STS, SA340TS, SA350M, SA350MH, SA380UA, SA40, SD210R_, UST-_ WPA Series: WPA1, WPA112, WPA2 WS Series: WS320, WS321

* Indicates LED/LENS colour. Replace with: A=AMBER, B=BLUE, C=WHITE/CLEAR, G=GREEN, R=RED.
_ Indicates a none EMC related part number component such as mounting type, connector type, dome height etc.
\$ Indicates a part number component representing the light bar length.

Section 3.1 State where the identification / model number is situated on the product, and how it is marked.
Label on top or base of unit.

Section 4 Name and address of Manufacturer
Whelen Engineering, Route 51, Winthrop Road, Chester, CT 06412-0684, USA.



- Section 4.1 Name and address of Manufacturer's representative inside the European Union.
N/A.
- Section 5 State how and where the type approval E mark will be affixed
Part of label noted in section 0.3.1 or separate label.
- Section 6 Address(es) of assembly plant(s)
Whelen Engineering, Route 51, Winthrop Road, Chester, CT 06412-0684, USA
Woodway Engineering Ltd, Lower Road, Barnacle, Coventry, CV7 9LD.
- Section 7 This product shall be approved as a component/STU (delete as applicable)
- Section 8 Restrictions of use and conditions for fitting.
This product may be fitted to any 12 (or 24 where stated) volt negative earth vehicle, with consideration to normal safety issues and the installation instructions supplied with the product.
- Section 9 Electrical system rated voltage Positive/negative Ground.
12 – 24v dc.

Only applicable for charging systems: (REESS)

Section 10 Charger: on board/external².
N/A.

Section 11 Charging current: direct current/alternating current (number of phases/frequency²).
N/A.

Section 12 Maximal nominal current (in each mode if necessary).
N/A.

Section 13 Nominal charging voltage.
N/A.

Section 14 Basic ESA interface functions: ex. L1/L2/L3/N/PE/control pilot.
N/A.

Section 15 Minimum R_{sce} value (see paragraph 7.11. of this Regulation.
N/A.