

Certificate of Constancy of Performance

This is to certify that:

Moflash Signalling Ltd
11 Upper Conybere Street
Highgate
Birmingham
B12 0EB
United Kingdom

Holds Certificate Number:

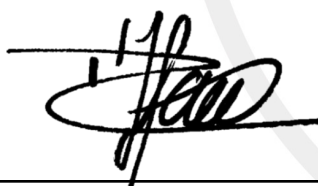
2797 CPR 713892

In respect of:

EN 54-3 - Fire alarm devices - sounders

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the above construction product. This certificate attests that all the provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the above standard(s) under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product(s). This certificate was first issued on the date below and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

For and on behalf of BSI, a Notified
Body for the above Regulation
(Notified Body Number 2797):



Drs. Dave Hagenaaers, Managing Director

First Issued: 2020-03-18

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...making excellence a habit.™

Certificate of Constancy of Performance

No. 2797 CPR 713892

Manufacturing Plant

Moflash Signalling Ltd

11 Upper Conybere Street
Highgate
Birmingham
B12 0EB

Product Information

EN 54-3:2001+A1:2002+A2:2006 Fire Alarm Devices – Sounders

Type A – For indoor use:

Model Reference	Type
Carillon	24VDC Indoor Sounder

Type B – For Outdoor use:

Model Reference	Type
YA30	AC and DC Outdoor 100dB Industrial Sounder
YA40	AC and DC Outdoor 106dB Industrial Sounder
YL40	AC and DC Outdoor 106dB Industrial Sounder
YA50	AC and DC Outdoor 110dB Industrial Sounder
YL50	AC and DC Outdoor 110dB Industrial Sounder
YA80	AC and DC Outdoor 115dB Industrial Sounder
YL80	AC and DC Outdoor 115dB Industrial Sounder with Flasher
YA80	Super AC and DC Outdoor 120dB Industrial Sounder
YL80	Super AC and DC Outdoor 120dB Industrial Sounder with Flasher

Note:

The flasher functionality is outside the scope of this approval.

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BSI Group The Netherlands B.V., registered in the Netherlands under number 33264284, at John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands
A member of BSI Group of Companies.

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Approved Tones :

Tone:	Description	Frequency
A	Alternate two tone	800 – 1000Hz
B	Slow Whoop	500 – 1200Hz
C	Reverse Sweep	1200 – 500Hz
D	AFNOR Alternate two tone	440 – 554Hz
E	Interrupted Tone	420Hz
F	ISO8201 Evacuation tone	800 – 1000Hz
G	Interrupted	1000Hz
H	Continuous tone	1000Hz



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Appendix 1

Harmonised Technical Specification		EN 54-3: 2001+A1:2002 +A2:2006
Essential Characteristics	Performance	Clause
Performance Parameters Under Fire Conditions		
Sound level	Pass	4.2
Frequencies and sound pattern	Pass	4.3
Reproducibility	Pass	5.2
Operational performance	Pass	5.3
Operational Reliability		
Durability	Pass	4.4 & 5.4
Construction	Pass	4.5
Marking and data	Pass	4.6
Durability of Operational Reliability		
Dry heat (operational)	Pass	5.5
Dry heat (endurance)	Pass	5.6
Cold (operational)	Pass	5.7
Damp heat, cyclic (operational)	Pass	5.8
Damp heat, steady state (endurance)	Pass	5.9
Damp heat, cyclic (endurance)	Pass	5.10
Sulphur dioxide (SO ₂) corrosion (endurance)	Pass	5.11
Shock (operational)	Pass	5.12
Impact (operational)	Pass	5.13
Vibration, sinusoidal (operational)	Pass	5.14
Vibration, sinusoidal (endurance)	Pass	5.15
Durability of Operational Reliability, Electrical Stability		
Electromagnetic compatibility (EMC) immunity (operational)	Pass	5.16
Durability of Operational Reliability, Resistance to Ingress		
Enclosure protection	Pass	5.17

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Manufacturing Plant	Certified Activities
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