Declaration of Performance – DOP0000058 EU

According to Construction Products Regulation EU N° 305/2011

1. Unique Product identification code:

CA430A/SR, CA430A/DR, CA430A/DR/65, CA433A/SR, CA433A/DR, CA433A/DR/65

2. Type number allowing identification of the construction product as required pursuant to Article 11(4):

CAST Hi-Output 100dB(A) Type A Wall Sounder with short circuit isolator, shallow base, red, IP21 (CA430A/SR)
CAST Hi-Output 100dB(A) Type B Wall Sounder with short circuit isolator, deep base, red, IP33 (CA430A/DR)
CAST Hi-Output 100dB(A) Type B Wall Sounder with short circuit isolator, deep base, red, IP55 (CA430A/DR/65)
CAST Hi-Output W-2.75-9 Type B Wall VAD c/w 100dB(A) Sounder and short circuit isolator, deep base, red, IP21 (CA433A/SR)
CAST Hi-Output W-2.75-9 Type B Wall VAD c/w 100dB(A) Sounder and short circuit isolator, deep base, red, IP33 (CA433A/DR)
CAST Hi-Output W-2.75-9 Type B Wall VAD c/w 100dB(A) Sounder and short circuit isolator, deep base, red, IP55 (CA433A/DR/65)

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

Models CA430A/SR, CA430A/DR, CA430A/DR/65, CA433A/SR, CA433A/DR, CA433A/DR/65:
Sounders to EN 54-3: 2001 for use in Fire detection and fire alarm systems in buildings

Models CA430A/SR, CA430A/DR, CA430A/DR/65, CA433A/SR, CA433A/DR, CA433A/DR/65:
Short-circuit isolators to EN 54-17: 2005 for use in Fire detection and fire alarm systems in buildings

Models CA433A/SR, CA433A/DR, CA433A/DR/65:
Visual alarm devices to EN 54-23: 2010 for use in Fire detection and fire alarm systems in buildings

4. Name, registered trade name or registered trademark and contact address of the manufacturer as required pursuant to Article 11(5):

Computionics Limited (C-TEC)
Challenge Way, Martland Park, Wigan, WN5 0LD. United Kingdom
Tel: 01942 322744. Fax: 01942 829867

5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2): Not Applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: System 1

7. Notified body, in the case of the declaration of performance concerning a construction product covered by a harmonized standard:

Loss Prevention Certification Board (LPCB) (Notified Body Number 2831)
BRE Global Assurance (Ireland) Limited
DCU Alpha, Old Finglas Road,
Glasnevin, Dublin, D11 KXN4
Ireland

has performed type testing and the initial inspection of the manufacturing plant and of factory production control with continuous surveillance, assessment and approval of the factory production control under system 1 and issued following certificate of constancy of performance:

CA430A/SR: 2831-CPR-F2192
CA430A/DR: 2831-CPR-F2193
CA430A/DR/65: 2831-CPR-F2194
CA433A/SR: 2831-CPR-F2195
CA433A/DR: 2831-CPR-F2196
CA433A/DR/65: 2831-CPR-F2197

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued: Not applicable, see item 7

9(a). Declared performance applicable to models CA430A/SR, CA430A/DR, CA430A/DR/65, CA433A/SR, CA433A/DR, CA433A/DR/65:

All requirements including all Essential Characteristics and the corresponding performances for the intended use or uses indicated in 3. above have been determined as described in the hEN mentioned in the following table.

Harmonised Technical Specification		**EN 54-3: 2001 + A1: 2002 + A2: 2006**
Essential Characteristics	**Performance**	**Clause**
Performance parameters under fire condition		
- Sound level	Pass	4.2
- Frequency and sound patterns	Pass	4.3
- Reproducibility	Pass	5.2
- Operational performance	Pass	5.3
- Attention drawing signal and message broadcast sequences	NPD	C.3.1[(a)]
- Synchronisation (option with requirements)	NPD	C.3.2[(b)]
- Broadcast message performance	NPD	C.5.1[(a)]
- Attention-drawing signal silence message sequence timing	NPD	C.5.2[(a)]
- Message synchronisation testing option with requirements	NPD	C.5.3[(a)(b)]
Operational reliability		
- Durability	Pass	4.4
- Construction	Pass	4.5
- Marking and data	Pass	4.6
- Durability	Pass	5.4
- General testing	NPD	C4[(a)]
Durability of operational reliability		
Temperature resistance:		
- 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
Humidity resistance:		
- Damp heat, cyclic (operational)	Pass	5.8
- Damp heat, steady state (endurance)	Pass	5.9
- Damp heat, cyclic (endurance)	Pass	5.10
Corrosion resistance:		
- Sulfur dioxide (SO_2) corrosion (endurance)	Pass	5.11
Shock and vibration resistance:		
- Shock (operational)	Pass	5.12
- Impact (operational)	Pass	5.13
- Vibration, sinusoidal (operational)	Pass	5.14
- Vibration, sinusoidal (endurance)	Pass	5.15
Electrical stability:		
- Electromagnetic compatibility (EMC), immunity (operational)	Pass	5.16
Resistance to ingress:		
- Enclosure protection	Pass	5.17

(a) C.3, C.4, C.5.1, C.5.2 and C.5.3 apply only to voice sounders.
(b) C.3.2 and C.5.3 apply only to voice sounders with the message synchronisation option.

Meets the requirements of EN 54-3 for the following (operating voltage range 24-40V d.c):
Tone 1 - Primary
- Evacuate, 675Hz for 0.5s, 925Hz for 0.5s
- Fast Warble, 920Hz for 0.25s, 975Hz for 0.25s
- Dutch Slow Whoop (sweep), 500Hz to 1200Hz for 3.5s on, 0.5s off
- German DIN Tone, 1200Hz-500Hz for 1s
- French Fire Tone, 554Hz for 100ms/440Hz for 440ms
- US Temporal LF (ISO 8201), 3x(970Hz, 0.5s on, 0.5s off), 1s off

9(b). Declared performance applicable to models CA430A/SR, CA430A/DR, CA430A/DR/65, CA433A/SR, CA433A/DR, CA433A/DR/65:

All requirements including all Essential Characteristics and the corresponding performances for the intended use or uses indicated in 3. above have been determined as described in the hEN mentioned in the following table.

Harmonised Technical Specification		**EN 54-17: 2005**
Essential Characteristics	**Performance**	**Clause**
Performance under fire conditions		
- Reproducibility (1)	Pass	5.2
Operational reliability		
- General requirements	Pass	4
Durability of operational reliability (temperature resistance)		
- Dry heat (operational)	Pass	5.4
- Cold (operational)	Pass	5.5
Durability of operational reliability (vibration resistance)		
- Shock (operational)	Pass	5.9
- Impact (operational)	Pass	5.10
- Vibration, sinusoidal (operational)	Pass	5.11
- Vibration, sinusoidal (endurance)	Pass	5.12
Durability of operational reliability (humidity resistance)		
- Damp heat, cyclic (operational)	Pass	5.6
- Damp heat, steady state (operational)	Pass	5.7
Durability of operational reliability (corrosion resistance)		
- Sulphur dioxide (SO_2) corrosion (endurance)	Pass	5.8
Durability of operational reliability (electrical stability)		
- Variation in supply voltage	Pass	5.3
- Electromagnetic Compatibility (EMC), Immunity tests (operational)	Pass	5.13
(1) This is assuming that the effect of the fire is to cause a short circuit in the transmission path that is protected by these devices.		

9(c). Declared performance applicable to models CA433A/SR, CA433A/DR, CA433A/DR/65:

All requirements including all Essential Characteristics and the corresponding performances for the intended use or uses indicated in 3. above have been determined as described in the hEN mentioned in the following table.

Harmonised Technical Specification		**EN 54-23: 2010**
Essential Characteristics	**Performance**	**Clause**
Operational reliability		
- Duration of operation	Pass	4.2.1
- Provision for external conductors	Pass	4.2.2
- Flammability of materials	Pass	4.2.3
- Enclosure protection	Pass	4.2.4
- Access	Pass	4.2.5
- Manufacturer's adjustments	Pass	4.2.6
- On-site adjustment of behaviour	Pass	4.2.7
- Requirements for software controlled devices	Pass	4.2.8
Performance parameters under fire condition		
- Coverage volume	Pass	4.3.1
- Variation of light output	Pass	4.3.2
- Minimum and maximum light intensity	Pass	4.3.3
- Light colour	White	4.3.4
- Light temporal pattern and frequency of flashing	Pass/0.5Hz	4.3.5
- Marking and data	Pass	4.3.6
- Synchronisation (option with requirements)	Pass	4.3.7
Durability		
Temperature resistance:		
- Dry heat (operational)	Pass	4.4.1.1
- Dry heat (endurance)	Pass	4.4.1.2
- Cold (operational)	Pass	4.4.1.3
Humidity resistance:		
- Damp heat, cyclic (operational)	Pass	4.4.2.1
- Damp heat, steady state (endurance)	Pass	4.4.2.2
- Damp heat, cyclic (endurance)	Pass	4.4.2.3
Shock and vibration resistance:		
- Shock (operational)	Pass	4.4.3.1
- Impact (operational)	Pass	4.4.3.2
- Vibration (operational)	Pass	4.4.3.3
- Vibration (endurance)	Pass	4.4.3.4
Corrosion resistance:		
- SO2 corrosion (endurance)	Pass	4.4.4
Electrical stability:		
- EMC, immunity (operational)	Pass	4.4.5
Meets the requirements of EN 54-23 for the following: - Category W-2.75-9 or W-4-4 - Flash rate 0.5Hz - Synchronisation - Operating voltage range 27-40 VDC		

10. Empowered Signatory of Company

Name: Daniel Foster

Position: Head of Science

Signature:

Date: 1 March 2022