

## Declaration of Performance – DOP0000058UK

*According to the Construction Products (Amendment etc.) (EU Exit) Regulations 2020*

**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 BS 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 BS 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 BS EN 54-23: 2010 for use in Fire detection and fire alarm systems in buildings

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

Computationics 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) (UK Approved Body Number 0832)  
BRE Global,  
Bucknalls Lane, Garston,  
Watford, WD25 9XX  
United Kingdom

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: 0832-UKCA-CPR-F0766  
CA430A/DR: 0832-UKCA-CPR-F0767  
CA430A/DR/65: 0832-UKCA-CPR-F0768  
CA433A/SR: 0832-UKCA-CPR-F0777  
CA433A/DR: 0832-UKCA-CPR-F0778  
CA433A/DR/65: 0832-UKCA-CPR-F0779

**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 British Standard mentioned in the following table.

Technical Specification		BS EN 54-3: 2001+ A1: 2002+ A2: 2006
Essential Characteristics	Performance	Clause
<b>Performance parameters under fire condition</b> <ul style="list-style-type: none"> <li>- Sound level</li> <li>- Frequency and sound patterns</li> <li>- Reproducibility</li> <li>- Operational performance</li> <li>- Attention drawing signal and message broadcast sequences</li> <li>- Synchronisation (option with requirements)</li> <li>- Broadcast message performance</li> <li>- Attention-drawing signal silence message sequence timing</li> <li>- Message synchronisation testing option with requirements</li> </ul>	Pass Pass Pass Pass NPD NPD NPD NPD NPD	4.2 4.3 5.2 5.3 C.3.1 <sup>(a)</sup> C.3.2 <sup>(b)</sup> C.5.1 <sup>(a)</sup> C.5.2 <sup>(a)</sup> C.5.3 <sup>(a) (b)</sup>
<b>Operational reliability</b> <ul style="list-style-type: none"> <li>- Durability</li> <li>- Construction</li> <li>- Marking and data</li> <li>- Durability</li> <li>- General testing</li> </ul>	Pass Pass Pass Pass NPD	4.4 4.5 4.6 5.4 C4 <sup>(a)</sup>
<b>Durability of operational reliability</b> <b>Temperature resistance:</b> <ul style="list-style-type: none"> <li>- Dry heat (operational)</li> <li>- Dry heat (endurance)</li> <li>- Cold (operational)</li> <li>- Damp heat, cyclic (operational)</li> <li>- Damp heat, steady state (endurance)</li> </ul> <b>Humidity resistance:</b> <ul style="list-style-type: none"> <li>- Damp heat, cyclic (operational)</li> <li>- Damp heat, steady state (endurance)</li> <li>- Damp heat, cyclic (endurance)</li> </ul> <b>Corrosion resistance:</b> <ul style="list-style-type: none"> <li>- Sulfur dioxide (SO<sub>2</sub>) corrosion (endurance)</li> </ul> <b>Shock and vibration resistance:</b> <ul style="list-style-type: none"> <li>- Shock (operational)</li> <li>- Impact (operational)</li> <li>- Vibration, sinusoidal (operational)</li> <li>- Vibration, sinusoidal (endurance)</li> </ul> <b>Electrical stability:</b> <ul style="list-style-type: none"> <li>- Electromagnetic compatibility (EMC), immunity (operational)</li> </ul> <b>Resistance to ingress:</b> <ul style="list-style-type: none"> <li>- Enclosure protection</li> </ul>	Pass Pass Pass Pass Pass  Pass Pass Pass Pass  Pass  Pass Pass Pass Pass  Pass  Pass	5.5 5.6 5.7 5.8 5.9  5.8 5.9 5.10  5.11  5.12 5.13 5.14 5.15  5.16 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 BS EN 54-3 for the following (operating voltage range 24-40V d.c): Tone 1 - Primary <ul style="list-style-type: none"> <li>- Evacuate, 675Hz for 0.5s, 925Hz for 0.5s</li> <li>- Fast Warble, 920Hz for 0.25s, 975Hz for 0.25s</li> <li>- Dutch Slow Whoop (sweep), 500Hz to 1200Hz for 3.5s on, 0.5s off</li> <li>- German DIN Tone, 1200Hz-500Hz for 1s</li> <li>- French Fire Tone, 554Hz for 100ms/440Hz for 440ms</li> <li>- US Temporal LF (ISO 8201), 3x(970Hz, 0.5s on, 0.5s off), 1s off</li> </ul>		

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 British Standard mentioned in the following table.

Technical Specification		BS EN 54-17: 2005
Essential Characteristics	Performance	Clause
<b>Performance under fire conditions</b> - Reproducibility <sup>(1)</sup>	Pass	5.2
<b>Operational reliability</b> - General requirements	Pass	4
<b>Durability of operational reliability (temperature resistance)</b> - Dry heat (operational) - Cold (operational)	Pass Pass	5.4 5.5
<b>Durability of operational reliability (vibration resistance)</b> - Shock (operational) - Impact (operational) - Vibration, sinusoidal (operational) - Vibration, sinusoidal (endurance)	Pass Pass Pass Pass	5.9 5.10 5.11 5.12
<b>Durability of operational reliability (humidity resistance)</b> - Damp heat, cyclic (operational) - Damp heat, steady state (operational)	Pass Pass	5.6 5.7
<b>Durability of operational reliability (corrosion resistance)</b> - Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	Pass	5.8
<b>Durability of operational reliability (electrical stability)</b> - Variation in supply voltage - Electromagnetic Compatibility (EMC), Immunity tests (operational)	Pass Pass	5.3 5.13


<sup>(1)</sup> 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 British Standard mentioned in the following table.

Technical Specification		BS EN 54-23: 2010
Essential Characteristics	Performance	Clause
<b>Operational reliability</b> <ul style="list-style-type: none"> <li>- Duration of operation</li> <li>- Provision for external conductors</li> <li>- Flammability of materials</li> <li>- Enclosure protection</li> <li>- Access</li> <li>- Manufacturer's adjustments</li> <li>- On-site adjustment of behaviour</li> <li>- Requirements for software controlled devices</li> </ul>	Pass Pass Pass Pass Pass Pass Pass Pass	4.2.1 4.2.2 4.2.3 4.2.4 4.2.5 4.2.6 4.2.7 4.2.8
<b>Performance parameters under fire condition</b> <ul style="list-style-type: none"> <li>- Coverage volume</li> <li>- Variation of light output</li> <li>- Minimum and maximum light intensity</li> <li>- Light colour</li> <li>- Light temporal pattern and frequency of flashing</li> <li>- Marking and data</li> <li>- Synchronisation (option with requirements)</li> </ul>	Pass Pass Pass White Pass/0.5Hz Pass Pass	4.3.1 4.3.2 4.3.3 4.3.4 4.3.5 4.3.6 4.3.7
<b>Durability</b> <b>Temperature resistance:</b> <ul style="list-style-type: none"> <li>- Dry heat (operational)</li> <li>- Dry heat (endurance)</li> <li>- Cold (operational)</li> </ul> <b>Humidity resistance:</b> <ul style="list-style-type: none"> <li>- Damp heat, cyclic (operational)</li> <li>- Damp heat, steady state (endurance)</li> <li>- Damp heat, cyclic (endurance)</li> </ul> <b>Shock and vibration resistance:</b> <ul style="list-style-type: none"> <li>- Shock (operational)</li> <li>- Impact (operational)</li> <li>- Vibration (operational)</li> <li>- Vibration (endurance)</li> </ul> <b>Corrosion resistance:</b> <ul style="list-style-type: none"> <li>- SO2 corrosion (endurance)</li> </ul> <b>Electrical stability:</b> <ul style="list-style-type: none"> <li>- EMC, immunity (operational)</li> </ul>	Pass Pass Pass  Pass Pass Pass  Pass Pass Pass Pass  Pass  Pass	4.4.1.1 4.4.1.2 4.4.1.3  4.4.2.1 4.4.2.2 4.4.2.3  4.4.3.1 4.4.3.2 4.4.3.3 4.4.3.4  4.4.4  4.4.5
Meets the requirements of BS EN 54-23 for the following: <ul style="list-style-type: none"> <li>- Category W-2.75-9 or W-4-4</li> <li>- Flash rate 0.5Hz</li> <li>- Synchronisation</li> <li>- Operating voltage range 27-40 VDC</li> </ul>		

## 10. Empowered Signatory of Company

Name: Daniel Foster  
 Position: Head of Science  
 Signature:   
 Date: 14<sup>th</sup> July 2022