

## Declaration of Performance – DOP0000065UK

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

**1. Unique Product identification code:**

BF430C/CC/SR, BF430C/CC/DR, BF430C/CC/DR/65, BF433C/CC/SR, BF433C/CC/DR, BF433C/CC/DR/65

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

Conventional Type A Hi-Output 100dB(A) Type A Wall Sounder, shallow base, red enclosure, IP21C (BF430C/CC/SR)  
Conventional Type B Hi-Output 100dB(A) Type B Wall Sounder, deep base, red enclosure, IP33C (BF430C/CC/DR)  
Conventional Type B Hi-Output 100dB(A) Type B Wall Sounder, deep base, red enclosure, IP55 (BF430C/CC/DR/65)  
Conventional Type A Hi-Output W-2.4-8.2 Type A Wall VAD c/w 100dB(A) Sounder, shallow base, red enclosure, IP21C (BF433C/CC/SR)  
Conventional Type B Hi-Output W-2.4-8.2 Type B Wall VAD c/w 100dB(A) Sounder, deep base, red enclosure, IP33C (BF433C/CC/DR)  
Conventional Type B Hi-Output W-2.4-8.2 Type B Wall VAD c/w 100dB(A) Sounder, deep base, red enclosure, IP55 (BF433C/CC/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 BF430C/CC/SR, BF430C/CC/DR, BF430C/CC/DR/65, BF433C/CC/SR, BF433C/CC/DR, BF433C/CC/DR/65:**

Sounders to BS EN 54-3: 2001 for use in Fire detection and fire alarm systems in buildings

**Models BF433C/CC/SR, BF433C/CC/DR, BF433C/CC/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:

**BF430C/CC/SR:** 0832-UKCA-CPR-F0802  
**BF430C/CC/DR:** 0832-UKCA-CPR-F0803  
**BF430C/CC/DR/65:** 0832-UKCA-CPR-F0804  
**BF433C/CC/SR:** 0832-UKCA-CPR-F0807  
**BF433C/CC/DR:** 0832-UKCA-CPR-F0808  
**BF433C/CC/DR/65:** 0832-UKCA-CPR-F0809

**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 BF430C/CC/SR, BF430C/CC/DR, BF430C/CC/DR/65, BF433C/CC/SR, BF433C/CC/DR, BF433C/CC/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>		
- 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 <sup>(a)</sup>
- Synchronisation (option with requirements)	NPD	C.3.2 <sup>(b)</sup>
- Broadcast message performance	NPD	C.5.1 <sup>(a)</sup>
- Attention-drawing signal silence message sequence timing	NPD	C.5.2 <sup>(a)</sup>
- Message synchronisation testing option with requirements	NPD	C.5.3 <sup>(a)(b)</sup>
<b>Operational reliability</b>		
- Durability	Pass	4.4
- Construction	Pass	4.5
- Marking and data	Pass	4.6
- Durability	Pass	5.4
- General testing	NPD	C4 <sup>(a)</sup>
<b>Durability of operational reliability</b>		
<b>Temperature resistance:</b>		
- 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
<b>Humidity resistance:</b>		
- Damp heat, cyclic (operational)	Pass	5.8
- Damp heat, steady state (endurance)	Pass	5.9
- Damp heat, cyclic (endurance)	Pass	5.10
<b>Corrosion resistance:</b>		
- Sulfur dioxide (SO <sub>2</sub> ) corrosion (endurance)	Pass	5.11
<b>Shock and vibration resistance:</b>		
- Shock (operational)	Pass	5.12
- Impact (operational)	Pass	5.13
- Vibration, sinusoidal (operational)	Pass	5.14
- Vibration, sinusoidal (endurance)	Pass	5.15
<b>Electrical stability:</b>		
- Electromagnetic compatibility (EMC), immunity (operational)	Pass	5.16
<b>Resistance to ingress:</b>		
- 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 BS EN 54-3 for the following (operating voltage range 18-30 VDC): Tone 1 - Primary - C-TEC Evacuation Tone, 675Hz for 0.5s, 925Hz for 0.5s - C-TEC Fast Warble, 920Hz for 0.25s, 975Hz for 0.25s - Dutch Slow Whoop (sweep), 500Hz to 1200Hz for 3.5s on, 0.5s off - DIN Tone, 1200Hz-500Hz for 1s - French Fire Tone, 554Hz for 100ms/440Hz for 380ms to 420ms		

**9(b). Declared performance applicable to models BF433C/CC/SR, BF433C/CC/DR, BF433C/CC/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> - Duration of operation - Provision for external conductors - Flammability of materials - Enclosure protection - Access - Manufacturer's adjustments - On-site adjustment of behaviour - Requirements for software controlled devices	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> - Coverage volume - Variation of light output - Minimum and maximum light intensity - Light colour - Light temporal pattern and frequency of flashing - Marking and data - Synchronisation (option with requirements)	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> - Dry heat (operational) - Dry heat (endurance) - Cold (operational) <b>Humidity resistance:</b> - Damp heat, cyclic (operational) - Damp heat, steady state (endurance) - Damp heat, cyclic (endurance) <b>Shock and vibration resistance:</b> - Shock (operational) - Impact (operational) - Vibration (operational) - Vibration (endurance) <b>Corrosion resistance:</b> - SO2 corrosion (endurance) <b>Electrical stability:</b> - EMC, immunity (operational)	Pass 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: - Category W-2.75-9 / W-4-4 - Flash rate 0.5Hz - Synchronisation - Operating voltage range 18-30 VDC		

**10. Empowered Signatory of Company**

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