



Declaration of Performance – DOP0000065

According to Construction Products Regulation EU N° 305/2011

1. Unique Product identification code(s):

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

2. Type, batch or serial number(s) or any other element allowing identification of the construction product(s) 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(s), 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 EN54-3: 2001 for use in Fire detection and fire alarm systems, in and around buildings

Models BF433C/CC/SR, BF433C/CC/DR, BF433C/CC/DR/65:
Visual alarm devices to EN54-23: 2010 for use in Fire detection and fire alarm systems, in and around 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) (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 / certificate of conformity:

BF430C/CC/SR: 2831-CPR-F2454
BF430C/CC/DR: 2831-CPR-F2455
BF430C/CC/DR/65: 2831-CPR-F2456
BF433C/CC/SR: 2831-CPR-F2457
BF433C/CC/DR: 2831-CPR-F2458
BF433C/CC/DR/65: 2831-CPR-F2459



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 hEN mentioned in the following table.

Harmonised Technical Specification		EN54-3:2001 + A1:2002+A2:2006
Essential Characteristics	Performance	Clause
Performance parameters under fire condition <ul style="list-style-type: none"> - Sound level - Frequency and sound patterns - Reproducibility - Operational performance - Attention drawing signal and message broadcast sequences - Synchronisation (option with requirements) - Broadcast message performance - Attention-drawing signal silence message sequence timing - Message synchronisation testing option with requirements 	Pass Pass Pass Pass NPD NPD NPD NPD NPD	4.2 4.3 5.2 5.3 C.3.1 C.3.2 C.5.1 C.5.2 C.5.3
Operational reliability <ul style="list-style-type: none"> - Durability - Construction - Marking and data - Durability - General testing 	Pass Pass Pass Pass NPD	4.4 4.5 4.6 5.4 C4
Durability of operational reliability Temperature resistance: <ul style="list-style-type: none"> - Dry heat (operational) - Dry heat (endurance) - Cold (operational) - Damp heat, cyclic (operational) - Damp heat, steady state (endurance) Humidity resistance: <ul style="list-style-type: none"> - Damp heat, cyclic (operational) - Damp heat, steady state (endurance) - Damp heat, cyclic (endurance) Corrosion resistance: <ul style="list-style-type: none"> - Sulfur dioxide (SO₂) corrosion (endurance) Shock and vibration resistance: <ul style="list-style-type: none"> - Shock (operational) - Impact (operational) - Vibration, sinusoidal (operational) - Vibration, sinusoidal (endurance) Electrical stability: <ul style="list-style-type: none"> - Electromagnetic compatibility (EMC), immunity (operational) Resistance to ingress: <ul style="list-style-type: none"> - Enclosure protection 	Pass Pass Pass 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
Meets the requirements of EN54-3 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 hEN mentioned in the following table.

Harmonised Technical Specification		EN54-23: 2010
Essential Characteristics	Performance	Clause
Operational reliability <ul style="list-style-type: none"> - 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
Performance parameters under fire condition <ul style="list-style-type: none"> - 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
Durability <p>Temperature resistance:</p> <ul style="list-style-type: none"> - Dry heat (operational) - Dry heat (endurance) - Cold (operational) <p>Humidity resistance:</p> <ul style="list-style-type: none"> - Damp heat, cyclic (operational) - Damp heat, steady state (endurance) - Damp heat, cyclic (endurance) <p>Shock and vibration resistance:</p> <ul style="list-style-type: none"> - Shock (operational) - Impact (operational) - Vibration (operational) - Vibration (endurance) <p>Corrosion resistance:</p> <ul style="list-style-type: none"> - SO₂ corrosion (endurance) <p>Electrical stability:</p> <ul style="list-style-type: none"> - EMC, immunity (operational) 	Pass 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 EN54-23 for the following: <ul style="list-style-type: none"> - 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: 16 March 2021