

Declaration of Performance – DOP0000066UK

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

1. Unique Product identification code:

BF431C/CC/W, BF432C/CC/W, BF456C/CC/W

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

Conventional 96dB(A) Base Sounder, white enclosure, IP21C (BF431C/CC/W)
Conventional O-R-3-2.5-17 Base VAD c/w 96dB(A) sounder, white enclosure, IP21C (BF432C/CC/W)
Conventional C-3-8.5 Base VAD c/w 96dB(A) sounder, white enclosure, IP21C (BF456C/CC/W)

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

Models BF431C/CC/W, BF432C/CC/W, BF456C/CC/W:

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

Models BF432C/CC/W, BF456C/CC/W:

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:

BF431C/CC/W: 0832-UKCA-CPR-F0801
BF432C/CC/W: 0832-UKCA-CPR-F0805
BF456C/CC/W: 0832-UKCA-CPR-F0806

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 BF431C/CC/W, BF432C/CC/W, BF456C/CC/W:

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
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 	<ul style="list-style-type: none"> Pass Pass Pass Pass NPD NPD NPD NPD NPD 	<ul style="list-style-type: none"> 4.2 4.3 5.2 5.3 C.3.1^(a) C.3.2^(b) C.5.1^(a) C.5.2^(a) C.5.3^{(a)(b)}
Operational reliability <ul style="list-style-type: none"> - Durability - Construction - Marking and data - Durability - General testing 	<ul style="list-style-type: none"> Pass Pass Pass Pass NPD 	<ul style="list-style-type: none"> 4.4 4.5 4.6 5.4 C4^(a)
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 	<ul style="list-style-type: none"> Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass 	<ul style="list-style-type: none"> 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
<p>(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.</p> <p>Meets the requirements of BS EN 54-3 for the following (operating voltage range 18-30 VDC):</p> <p>1. Tone 1 - Primary</p> <ul style="list-style-type: none"> - C-TEC Evacuation Tone, 610Hz for 0.5s, 810Hz for 0.5s - C-TEC Fast Warble, 810Hz for 0.25s, 610Hz 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 <p>2. Can be used as either:</p> <ul style="list-style-type: none"> - A stand alone device with locking white cap (BF330CTLIDW), or red cap (BF330CTLIDR), or - A stacked sounder/VAD base combination with detectors from C-TEC's range of ActiV conventional detectors 		

9(b). Declared performance applicable to models BF432C/CC/W, BF456C/CC/W:

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
Operational reliability - 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 - 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 Temperature resistance: - Dry heat (operational) - Dry heat (endurance) - Cold (operational) Humidity resistance: - Damp heat, cyclic (operational) - Damp heat, steady state (endurance) - Damp heat, cyclic (endurance) Shock and vibration resistance: - Shock (operational) - Impact (operational) - Vibration (operational) - Vibration (endurance) Corrosion resistance: - SO2 corrosion (endurance) Electrical stability: - 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
1. Meets the requirements of BS EN 54-23 for the following: - Category C-3-8.5 for BF456C/CC/W, Category O-R-3-2.5-17 for BF432C/CC/W. - Flash rate 0.5Hz - Synchronisation - Operating voltage range 18-30 VDC 2. Can be used as either: - A stand alone device with locking white cap (BF330CTLIDW), or red cap (BF330CTLIDR), or - A stacked sounder/VAD base combination with detectors from C-TEC's range of ActiV conventional detectors		

10. Empowered Signatory of Company

Name: Daniel Foster
 Position: Head of Science
 Signature: 
 Date: 14th July 2022