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Certificate of Product Approval

Computionics (trading as C-Tec) Ltd

CERTIFICATE NUMBER	ISSUE	COMPANY ADDRESS
176f	11	Challenge Way Martland Park Wigan, Lancashire WN5 0LD United Kingdom

The named company is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

PRODUCTS	STANDARDS
Alarm Warning Devices BF433A/CX/SR BF433A/CX/DR BF456A/CX/W CA451A/SW CA451A/SR CA432A/W CA456A/W, CA433A/SR CA433A/DR CA433A/DR/65 HP456A/W HP433A/DR/65 (refer to Appendix for details)	EN 54-3:2014 + A1:2019 EN 54-23:2010 EN 54-17:2005

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Signed for BRE Global Ltd	Z Major Verifier	01 April 2026 Date of Issue

16 October 2015
Date of First Issue

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Certified Product	Description	LPCB Ref No.
BF433A/CX/SR	Hi-Output Addressable Type A (indoor) Wall Sounder VAD with Short Circuit Isolator, Shallow Base (Red) (Apollo Discovery) Notes: 1. Meets the requirements of EN 54-23 for the following: - Category W-2.4-8.2 - Flash rate 0.5Hz - Synchronization - Operating voltage range 21-28 VDC 2. Meets the requirements of EN 54-3 for the following: - Evacuate, 572Hz for 0.5s, 720Hz for 0.5s - Alternating, 962Hz for 0.25s, 572Hz for 0.25s - Dutch slow sweep, 500Hz to 1200Hz for 3.5s on, 0.5s off - Operating voltage range 17-28 VDC	176f/01
BF433A/CX/DR	Hi-Output Addressable Type B (outdoor) Wall Sounder VAD with Short Circuit Isolator, Deep Base (Red) (Apollo Discovery) Notes: 1. Meets the requirements of EN 54-23 for the following: - Category W-2.4-8.2 - Flash rate 0.5Hz - Synchronization - Operating voltage range 21-28 VDC 2. Meets the requirements of EN 54-3 for the following: - Evacuate, 572Hz for 0.5s, 720Hz for 0.5s - Alternating, 962Hz for 0.25s, 572Hz for 0.25s - Dutch slow sweep, 500Hz to 1200Hz for 3.5s on, 0.5s off	176f/02

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	- Operating voltage range 17-28 VDC	
BF456A/CX/W	Addressable Type A (indoor) Ceiling Sounder VAD Base with Short Circuit Isolator (Apollo Discovery) Notes: 1. Meets the requirements of EN 54-23 for the following: - Category C-3-8 - Flash rate 0.5Hz - Synchronisation - Operating voltage range 21-28 VDC 2. Meets the requirements of EN 54-3 for the following: - Evacuate, 550Hz for 0.5s, 825Hz for 0.5s - Alternating, 925Hz for 0.25s, 626Hz for 0.25s - Dutch slow sweep, 500Hz to 1200Hz for 3.5s on, 0.5s off - Operating voltage range 17-28 VDC 3. 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 the Apollo Discovery range	176f/03
CA433A/SR	Addressable CAST Protocol Type A High Output Wall Sounder VAD with Short Circuit Isolator, Shallow Base, Red, IP21 (BFIPPLATE/R) Notes: 1. Meets the requirements of EN 54-3 at the following tones: - 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 to 500Hz for 1s - French Fire Tone, 554Hz for 100ms/440Hz for 400ms - US Temporal LF (ISO 8201), 3x(970Hz, 0.5s on, 0.5s off), 1s off - Operating voltage range 24-40V d.c 2. The Wall Mounted VAD meets the requirements of EN 54-23 for the following: - Category rating W-2.75-9 or W-4-4	176f/04

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	- Synchronization - Flash rate 0.5Hz	
CA433A/DR	Addressable CAST Protocol Type B High Output Wall Sounder VAD with Short Circuit Isolator, Deep Base, Red, IP33 (BFIPPLATE/R) Notes: 1. Meets the requirements of EN 54-3 at the following tones: - 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 to 500Hz for 1s - French Fire Tone, 554Hz for 100ms/440Hz for 400ms - US Temporal LF (ISO 8201), 3x(970Hz, 0.5s on, 0.5s off), 1s off - Operating voltage range 24-40V d.c 2. The Wall Mounted VAD meets the requirements of EN 54-23 for the following: - Category rating W-2.75-9 or W-4-4 - Synchronization - Flash rate 0.5Hz - Red LED	176f/05
CA433A/DR/65	Addressable CAST Protocol Type B High Output Wall Sounder VAD with Short Circuit Isolator, Red, IP55 (BFIPPLATE/R and IP55 Deep Base) Notes: 1. Meets the requirements of EN 54-3 at the following tones: - 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 to 500Hz for 1s - French Fire Tone, 554Hz for 100ms/440Hz for 400ms - US Temporal LF (ISO 8201), 3x(970Hz, 0.5s on, 0.5s off), 1s off - Operating voltage range 24-40V d.c 2. The Wall Mounted VAD meets the requirements of EN 54-23 for the following: - Category rating W-2.75-9 or W-4-4 - Synchronization	176f/06

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	- Flash rate 0.5Hz - Red LED	
HP433A/DR/65	HP Addressable Protocol Type B High Output Wall Sounder VAD with Short Circuit Isolator, IP55 Notes: 1. Meets the requirements of EN 54-3 at the following tones: - 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 to 500Hz for 1s - French Fire Tone, 554Hz for 100ms/440Hz for 400ms - US Temporal LF (ISO 8201), 3x(970Hz, 0.5s on, 0.5s off), 1s off - Operating voltage range 24-40V d.c 2. The Wall Mounted VAD meets the requirements of EN 54-23 for the following: - Category rating W-2.75-9 or W-4-4 - Synchronization - Flash rate 0.5Hz - Red LED	176f/06
CA451A/SW	Addressable CAST Protocol Type A Compact Sounder VAD with Short Circuit Isolator, Shallow Base, White Body, IP21C (BFIPPLATE/R, BFIPPLATE/W) Notes: 1. Meets the requirements of EN 54-23 for the following: - Category C-3-8, W-3-3.125 - Flash rate 0.5Hz - Synchronisation - White LED - Operating voltage range 27-40 VDC 2. Meets the requirements of EN 54-3 for the following: - Evacuate, 535Hz for 0.5s, 800Hz for 0.5s - Fast Warble, 800Hz for 0.25s, 645Hz for 0.25s - Dutch Slow Whoop, 500Hz to 1200Hz for 3.5s on, 0.5s off	176f/07

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	- German DIN Tone, 1200Hz to 500Hz for 1s - French Fire Tone, 554Hz for 100ms/440Hz for 400ms - Operating voltage range 24-40 VDC	
CA451A/SR	Addressable CAST Protocol Type A Compact Sounder VAD with Short Circuit Isolator, Shallow Base, Red Body, IP21C (BFIPPLATE/R, BFIPPLATE/W) Notes: 1. Meets the requirements of EN 54-23 for the following: - Category C-3-8, W-3-3.125 - Flash rate 0.5Hz - Synchronisation - White LED - Operating voltage range 27-40 VDC 2. Meets the requirements of EN 54-3 for the following: - Evacuate, 535Hz for 0.5s, 800Hz for 0.5s - Fast Warble, 800Hz for 0.25s, 645Hz for 0.25s - Dutch Slow Whoop, 500Hz to 1200Hz for 3.5s on, 0.5s off - German DIN Tone, 1200Hz to 500Hz for 1s - French Fire Tone, 554Hz for 100ms/440Hz for 400ms - Operating voltage range 24-40 VDC	176f/07
CA432A/W	Addressable CAST Protocol Type A Ceiling Base Sounder VAD with Short Circuit Isolator, White, IP21C, Open Class (BF431QCP) Notes: 1. Meets the requirements of EN 54-3 for the following tones: - Evacuate, 610 Hz for 0.5 sec, 810 Hz for 0.5 sec - Fast Warble, 810 Hz for 0.25 sec, 610 Hz for 0.25 sec - Dutch Slow Whoop (sweep), 500 Hz to 1200 Hz for 3.5 sec on, 0.5 sec off - German DIN Tone, 1200Hz-500Hz for 1s - French Fire Tone, 554Hz for 100ms/440Hz for 440ms - Operating voltage range 24-40V d.c. 2. The Ceiling mounted VAD meets the requirements of EN 54-23 for the following:	176f/08

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	- Category rating O-R-3-2.5-18 - Synchronization - Flash rate 0.5Hz - White LED	
CA456A/W	Addressable CAST Protocol Type A Ceiling Base Sounder VAD with Short Circuit Isolator, White, IP21C, Ceiling Class (BF431QCP) Notes: 1. Meets the requirements of EN 54-3 for the following tones: - Evacuate, 610 Hz for 0.5 sec, 810 Hz for 0.5 sec - Fast Warble, 810 Hz for 0.25 sec, 610 Hz for 0.25 sec - Dutch Slow Whoop (sweep), 500 Hz to 1200 Hz for 3.5 sec on, 0.5 sec off - German DIN Tone, 1200Hz-500Hz for 1s - French Fire Tone, 554Hz for 100ms/440Hz for 440ms - Operating voltage range 24-40V d.c. 2. The Ceiling mounted VAD meets the requirements of EN 54-23 for the following: - Category rating C-3-8.5 - Synchronization - Flash rate 0.5Hz - White LED	176f/09
HP456A/W	HP Ceiling Class Type A Base Sounder VAD with Short Circuit Isolator, White, IP21C Notes: 1. Meets the requirements of EN 54-3 for the following tones: - Evacuate, 610 Hz for 0.5 sec, 810 Hz for 0.5 sec - Fast Warble, 810 Hz for 0.25 sec, 610 Hz for 0.25 sec - Dutch Slow Whoop (sweep), 500 Hz to 1200 Hz for 3.5 sec on, 0.5 sec off - German DIN Tone, 1200Hz-500Hz for 1s - French Fire Tone, 554Hz for 100ms/440Hz for 440ms - Operating voltage range 24-40V d.c. 2. The Ceiling mounted VAD meets the requirements of EN 54-23 for the following:	176f/09

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	- Category rating C-3-8.5 - Synchronization - Flash rate 0.5Hz - White LED	

Bases

Deep Base	IP33C
Shallow Base	IP21C
Deep Base	IP55
BFIPPLATE/R	IP Protection Plate for Compact / Hi OP / Sounder VAD - Red
BFIPPLATE/W	IP Protection Plate for Compact / Hi OP / Sounder VAD - White
BF431QCP	Quick Connect Plate

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Alternative Model No./Label

LPCB Ref No.	Model No.	Alternative Model No./Label	Cross-listed company	Cross-Listed Co. Cert/Ref No.
176f/02	BF433A/CX/DR	CON433A/CX/DR	Context Plus Limited	176f-(cl-2)
176f/06	CA433A/DR/65	CA433A/DR/65/CON	Context Plus Limited	176f-(cl-2)
176f/07	CA451A/SR	CA451A/SR/CON	Context Plus Limited	176f-(cl-2)
176f/09	CA456A/W	CA456A/W/CON	Context Plus Limited	176f-(cl-2)

Bases

LPCB Ref No.	Model No.	Alternative Model No./Label	Cross-listed company	Cross-Listed Co. Cert/Ref No.
176f	Deep Base	Deep Base	Context Plus Limited	176f-(cl-2)
176f	BFIPPLATE/R	BFIPPLATE/R	Context Plus Limited	176f-(cl-2)
176f	BFIPPLATE/W	BFIPPLATE/W	Context Plus Limited	176f-(cl-2)
176f	BF431QCP	BF431QCP	Context Plus Limited	176f-(cl-2)

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