

## Certificate of Product Approval

Certificate Number: 176f

Issue: 02

### Computationics (trading as CTEC) Ltd

Challenge Way  
Martland Park  
Wigan  
Lancashire  
WN5 0LD  
United Kingdom



is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirement(s) of the standards as detailed below:

#### Products

##### Alarm Warning Devices

BF433A/CX/SR  
BF433A/CX/DR  
BF456A/CX/W  
(refer to Appendix for details)

#### Standards

EN 54-3:2001 + A1:2002 + A2:2006  
EN 54-17:2005  
EN 54-23:2010

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Signed for LPCB

M McCullagh  
Verifier

29 October 2015  
Date of Issue

16 October 2015  
Date of First Issue



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## Appendix to Certificate No: 176f Compuionics (trading as CTEC) Ltd

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Certified Product	Description	LPCB Ref.No.
BF433A/CX/SR	<p>Hi-Output Addressable Type A (indoor) Wall Sounder VAD with Short Circuit Isolator, Shallow Base (Red) (Apollo Discovery)</p> <p>Notes:</p> <ol style="list-style-type: none"> <li>Meets the requirements of EN 54-23 for the following: <ul style="list-style-type: none"> <li>- Category W-2.4-8.2</li> <li>- Flash rate 0.5Hz</li> <li>- Synchronization</li> <li>- Operating voltage range 21-28 VDC</li> </ul> </li> <li>Meets the requirements of EN 54-3 for the following: <ul style="list-style-type: none"> <li>- Evacuate, 572Hz for 0.5s, 720Hz for 0.5s</li> <li>- Alternating, 962Hz for 0.25s, 572Hz for 0.25s</li> <li>- Dutch slow sweep, 500Hz to 1200Hz for 3.5s on, 0.5s off</li> <li>- Operating voltage range 17-28 VDC</li> </ul> </li> </ol>	176f/01
BF433A/CX/DR	<p>Hi-Output Addressable Type B (outdoor) Wall Sounder VAD with Short Circuit Isolator, Deep Base (Red) (Apollo Discovery)</p> <p>Notes:</p> <ol style="list-style-type: none"> <li>Meets the requirements of EN 54-23 for the following: <ul style="list-style-type: none"> <li>- Category W-2.4-8.2</li> <li>- Flash rate 0.5Hz</li> <li>- Synchronization</li> <li>- Operating voltage range 21-28 VDC</li> </ul> </li> <li>Meets the requirements of EN 54-3 for the following: <ul style="list-style-type: none"> <li>- Evacuate, 572Hz for 0.5s, 720Hz for 0.5s</li> <li>- Alternating, 962Hz for 0.25s, 572Hz for 0.25s</li> <li>- Dutch slow sweep, 500Hz to 1200Hz for 3.5s on, 0.5s off</li> <li>- Operating voltage range 17-28 VDC</li> </ul> </li> </ol>	176f/02

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## Appendix to Certificate No: 176f Compuionics (trading as CTEC) Ltd

Issue: 02

Certified Product	Description	LPCB Ref.No.
BF456A/CX/W	<p>Addressable Type A (indoor) Ceiling Sounder VAD Base with Short Circuit Isolator (Apollo Discovery)</p> <p>Notes:</p> <ol style="list-style-type: none"> <li>Meets the requirements of EN 54-23 for the following: <ul style="list-style-type: none"> <li>Category C-3-8</li> <li>Flash rate 0.5Hz</li> <li>Synchronisation</li> <li>Operating voltage range 21-28 VDC</li> </ul> </li> <li>Meets the requirements of EN 54-3 for the following: <ul style="list-style-type: none"> <li>Evacuate, 550Hz for 0.5s, 825Hz for 0.5s</li> <li>Alternating, 925Hz for 0.25s, 626Hz for 0.25s</li> <li>Dutch slow sweep, 500Hz to 1200Hz for 3.5s on, 0.5s off</li> <li>Operating voltage range 17-28 VDC</li> </ul> </li> <li>Can be used as either: <ul style="list-style-type: none"> <li>a stand-alone device with locking white cap (BF330CTLIDW), or red cap (BF330CTLIDR), or</li> <li>a stacked sounder/VAD base combination with detectors from the Apollo Discovery range</li> </ul> </li> </ol>	176f/03

### Bases

Deep Base – IP33C  
Shallow Base – IP21C

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