

# EC DECLARATION OF CONFORMITY

## VTB-32EVAD C-3-7 Red Flash Range of Conventional Sounder/VADs Audible and Visual Alarm Device (VAD)

This document certifies that the product/s above is/are in accordance with the Construction Products Regulation EU N° 305/2011 and in accordance with the EC Directive 2004/108/EC for Electro Magnetic Compatibility to which this declaration relates and conform to the relevant parts of the following standards:-

**BS EN 50130-4:2011**  
**BS EN 61000-6-3:2007 + A1:2011**  
**EN 54-3:2001 + A1:2002 + A2:2006 and Annex ZA.1**  
**EN 54-23: 2010 and Annex ZA.1**

Which includes the following technical standards:-

**EMC Directive 2004/108/EC**      **BS EN 61000-4-3:2006 + A1:2008 + A2:2010**  
**BS EN 61000-4-6:2009**  
**BS EN 61000-4-2:2009**  
**BS EN 61000-4-4:2012**  
**BS EN 61000-4-5:2006**  
**BS EN 55022:2010**

To be used in accordance with installation instructions and in conjunction with:

**Sounder tones 1 - LF Sweep, 3 - Alternative Warble, 11 - Dutch Sweep Tone, 25 - German DIN Tone and 27 - French Afnor as referred to in tone list on datasheet.**  
**VAD is approved on the C-3-7 setting at a flash frequency of 1Hz**

**Approved by Intertek Testing & Certification Limited**  
Intertek House, Cleeve Road, Leatherhead, Surrey, KT22 7SB

Name of Authorised Signatory: \_\_\_\_\_ Neil Young \_\_\_\_\_

Position in Company: \_\_\_\_\_ Technical & Operations Director \_\_\_\_\_

Signed: \_\_\_\_\_  \_\_\_\_\_

Date: \_\_\_\_\_ 1<sup>st</sup> October 2015 \_\_\_\_\_

Place: \_\_\_\_\_ Alton, Hampshire, GU34 2UD, England \_\_\_\_\_

## EC DECLARATION OF PERFORMANCE

1. Unique Product identification code:  
VTB-32EVAD Ceiling C-3-7 Red Flash range of Sounder/VADs
2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):  
Fire Alarm Devices – Visual Alarm Devices incl. 511-203, 511-204, 511-205, 511-206
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:  
Fire detection and fire alarm systems installed 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):  
Cranford Control Limited,  
Unit 2 Waterbrook Estate,  
Waterbrook Road, Alton,  
Hampshire, GU34 2UD, UK.
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. In case of the declaration of performance concerning a construction product covered by the harmonized standard:  
  
Intertek Testing & Certification Limited  
Intertek House, Cleeve Road, Leatherhead, Surrey, KT22 7SB, UK.  
  
Performed type testing and the initial inspection of the manufacturing plant and of the factory production control with continuous surveillance assessment and approval of the factory production control under system 1 and issued the EC certificates of conformity:  
0359-CPR-00473
8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:  
Not applicable.

## 9. Declared performance:

All requirements including all Essential Characteristics and the corresponding performances for the intended use or uses indicated in 3. have been determined as described in the hEN mentioned in the following table.

Essential characteristics	Performance	Harmonized European Standard		
			EN54-23: 2010	Notes
Performance parameters under fire conditions:	Pass		4.3.1, 4.3.2, 4.3.3, 4.3.4, 4.3.5, 4.3.6, 4.3.7	
Operational reliability:	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	<i>Light colour is White at a flash frequency = 1Hz</i>
Durability of operational reliability, Temperature resistance:	Pass		4.4.1.1, 4.4.1.2, 4.4.1.3	<i>4.4.1.2 applies to Type B outdoor VADs</i>
Durability of operational reliability, Humidity resistance:	Pass		4.4.2.1, 4.4.2.2, 4.4.2.3	<i>4.4.2.3 applies to Type B outdoor VADs</i>
Durability of operational reliability, Corrosion resistance:	Pass		4.4.4	
Durability of operational reliability, Shock and Vibration resistance:	Pass		4.4.3.1, 4.4.3.2, 4.4.3.3, 4.4.3.4	
Durability of operational reliability, Electrical stability:	Pass		4.4.5	
Durability of operational reliability, Resistance to ingress:	Pass		4.2.4	<i>Type A – IP21C Type B – IP33C</i>

Essential characteristics	Performance	Harmonized European Standard		
			EN54-3: 2001 A1: 2002, A2: 2006	Notes
Performance under fire conditions	Pass		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	Pass		4.4, 4.5, 4.6, 5.4, C4	
Durability of operational reliability, Temperature resistance	Pass		5.5, 5.6, 5.7, 5.8, 5.9	5.6 applies to Type B outdoor sounders
Durability of operational reliability, Humidity resistance	Pass		5.8, 5.9, 5.10	5.10 applies to Type B outdoor sounders
Durability of operational reliability, Corrosion resistance	Pass		5.11	
Durability of operational reliability, Shock and Vibration resistance	Pass		5.12 to 5.15	
Durability of operational reliability, Electrical stability	Pass		5.16	
Durability of operational reliability, Resistance to ingress	Pass		5.17	

10. The performance of the product identified in 1. and 2. is in conformity with the declared performance in 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in 4.

Signed for and on behalf of Cranford Controls Limited by:

Date: 1<sup>st</sup> October 2015

Signed:



Neil Young

