

## BRE Global Ireland

### Notified Body No. 2831

BRE Global Assurance (Ireland) Limited  
DCU Alpha, Old Finglas Road  
Glasnevin, Dublin, D11 KXN4  
Ireland  
T: +353 (0) 18824344  
E: [enquiries@breglobalireland.ie](mailto:enquiries@breglobalireland.ie)  
[www.breglobalireland.ie](http://www.breglobalireland.ie)

## Certificate of constancy of performance

### 2831-CPR-F4464

In compliance with Regulation (EU) No. 305/2011 of the European Parliament and of the Council of 9th March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product(s)

#### BRS-PC-Ixx Addressable Type A Detector Base Sounder Strobe

(For full product details and conditions of use refer to appendix)

Placed on the market under the name or trade mark of:

and produced in the manufacturing plant(s):

**Honeywell Products & Solutions Sàrl**  
(Trading as System Sensor Europe)  
Zone d'activités La Pièce 16  
CH-1180  
Rolle  
Switzerland

**KAC Alarm Company Limited**  
Thornhill Road  
North Moons Moat  
Redditch  
B98 9ND  
United Kingdom

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s)

**EN 54-3:2001 + A1:2002 + A2:2006 – Sounders**  
**EN 54-17:2005 - Short circuit isolators**  
**EN 54-23:2010 - Visual alarm devices**

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure

### the constancy of performance of the construction product.

This certificate was first issued on 30 November 2020 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.



P Halligan, Certification Engineer

Date of First Issue: 30 November 2020

Date of Issue: 16 February 2021

On behalf of BRE Global Assurance (Ireland) Limited

Issue number 02

To check the validity of this certificate, please contact us on +353 (0) 18824344 or email [enquiries@breglobalireland.ie](mailto:enquiries@breglobalireland.ie)

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**APPENDIX to Certificate of constancy of performance: 2831-CPR-F4464****BRS-PC-Ixx Addressable Type A Detector Base Sounder Strobe****Notes:**

1. P indicates body colour. P=Pure White
2. xx indicates customer and associated communication protocol.  
01 indicates Advanced Protocol (and Honeywell 500 series protocol)  
00 and 02-99 indicates Advanced Protocol (and System Sensor 500 series protocol)
3. Meets the requirements of EN 54-3:2001 for the following tones:  
Tone 1 – Alternating 525 / 440Hz in 100ms/400ms  
Tone 2 – Alternating 800 / 922Hz for 1Hz  
Tone 3 – Alternating 800 / 922Hz for 2Hz  
Tone 4 – Alternating 2400 / 2900Hz for 3Hz  
Tone 5 – Alternating 2500 / 3100Hz for 2Hz  
Tone 6 – Alternating 988 / 645Hz for 2Hz  
Tone 7 – Continuous 630Hz  
Tone 8 – Continuous 922Hz  
Tone 9 – Continuous 1200Hz  
Tone 10 – Continuous 2810Hz  
Tone 11 – Sweep 150-1000-500Hz Rising from 500Hz to 1000Hz in 10s, Hold 100Hz for 40s, Falling from 100Hz to 500Hz in 10s, Hold 500Hz for 20s  
Tone 12 – Intermittent 420Hz for 150ms on, 150ms off  
Tone 13 – Sweep 500-1200Hz Rising from 500Hz to 1200Hz in 0.25s, then 3.75s off  
Tone 14 – Intermittent 630Hz for 150ms on, 150ms off  
Tone 15 – Intermittent 922Hz for 0.25s on, 1s off  
Tone 16 – Intermittent 922Hz for 1s on, 1s off  
Tone 17 – Intermittent 2810Hz for 1Hz  
Tone 18 – Intermittent 922Hz for 500ms on, 500ms off  
Tone 19 – Intermittent 950Hz for 500ms on, 500ms off. Repeat 3 times then 1.5s off  
Tone 20 – Continuous 800Hz  
Tone 21 – Sweep 400-1200Hz Rising from 400Hz to 1200Hz in 500ms, then 500ms off. Repeat 3 times then 1.5s off  
Tone 22 – Sweep 1200-500Hz Falling from 1200Hz to 500Hz in 1000ms, 10ms off  
Tone 23 – Sweep 2400-2850Hz for 7Hz  
Tone 24 – Sweep 500-1200Hz Rising from 500Hz to 1200Hz in 0.5s, then 3.5s off  
Tone 25 – Sweep 800-970Hz for 50Hz  
Tone 26 – Sweep 800-970Hz for 7Hz



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Tone 27 – Sweep 800-970Hz for 1Hz

Tone 28 – Sweep 2400-2850Hz for 50Hz

Tone 29 – Sweep 500-1000Hz for 7Hz

Tone 30 – Sweep 500-1200-500Hz Rising from 500Hz to 1200Hz in 1s, Hold 1200Hz for 4s, Falling from 1200Hz to 500Hz in 1s

Tone 31 – Sweep 800-1000Hz for 2Hz

Tone 32 – Sweep 2400-2850Hz for 1Hz

4. The Ceiling mounted VAD meets the requirements of EN 54-23:2010 for the following:

- Category ratings C-3-8.5 & O-1-3
- Synchronization
- Flash rate 0.5Hz & 1Hz
- Red LED
- Clear lens



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