

## 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  
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## Certificate of constancy of performance

### 2831-CPR-F1949

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)

#### BSO-xx-Nyy Analogue Addressable Type A Integrated Base Sounder

(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):

**Life Safety Distribution GmbH,  
System Sensor Europe  
Javastrasse 2  
CH-8604  
Hegnau  
Switzerland**

**KAC Alarm Company Limited  
Thornhill Road  
North Moons Moat  
Redditch  
Worcestershire 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

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 16 October 2019 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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: 16 October 2019

Date of Issue: 16 October 2019

On behalf of BRE Global Assurance (Ireland) Limited

Issue number 01

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-F1949****BSO-xx-Nyy Analogue Addressable Type A Integrated Base Sounder****Bases / Ancillaries:**

B501AP-cc Low profile base IP21C, cc indicates colour, Blank=Pure White, IV=Detector White  
Bcc Deep base IP44, cc indicates colour, PR=Red, DD=Detector White, PW=Pure White  
Wcc Waterproof base IP65, cc indicates colour, RR=Red, DD=Detector White, PW=Pure White

**Notes:**

1. xx indicates body colour. PP=Pure White, DD=Detector White
2. yy 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 EN54-3 for all output levels at voltage range 15-32VDC and tones:
  - 1) 554/440, 2Hz (100ms/400ms);
  - 2) 800/970, 1Hz;
  - 3) 800/970, 2Hz;
  - 4) 2400/2900, 3Hz;
  - 5) 2500/3100, 2Hz;
  - 6) 988/645, 2Hz;
  - 7) 660Hz;
  - 8) 970Hz;
  - 9) 1200Hz;
  - 10) 2850Hz;
  - 11) 150-1000, rise 10s, stable 40s, fall 10s, stable 20s, then repeating;
  - 12) 420Hz, 0.625s on, 0.625 sec off;
  - 13) 500-1200Hz, 0.25 sec off, 3.75 sec on;
  - 14) 660, 3.33Hz, 150ms on, 150ms off;
  - 15) 970, 0.8Hz 0.25s on, 1s off;
  - 16) 970, 0.5Hz 1s on, 1s off;
  - 17) 2850, 1Hz;
  - 18) 970, 1Hz 500ms on, 500ms off;
  - 19) 950, 0.22Hz (0.5s on, 0.5s off) x 3, 1.5s off;
  - 20) 800Hz;
  - 21) 400-1200Hz, (0.5s on, 0.5s off) x 3, 1.5s off;
  - 22) 1200 – 500Hz, 0.99Hz 1s on, 0.01s off;
  - 23) 2400 – 2850, 7Hz;



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- 24) 500 – 1200Hz, (0.5s off, 3.5s on);
- 25) 800 – 970, 50Hz;
- 26) 800 – 970, 7Hz;
- 27) 800 – 970, 1Hz;
- 28) 2400 – 2850, 50Hz;
- 29) 500 – 1000, 7Hz;
- 30) 500 – 1200 – 500, 0.166Hz rise 1s, stable 4s, fall 1s;
- 31) 800 – 1000, 2Hz;
- 32) 2400 – 2850, 1Hz;

A handwritten signature in black ink, appearing to read 'P. Halligan'.

P Halligan, Certification Engineer,

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