# BRE Global

**UK Approved Body No. 0832**
BRE Global Limited
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## Certificate of UKCA approval constancy of performance

## 0832-UKCA-CPR-F0921

In compliance with the Construction Product Regulations 2020, UK Statutory Instruments 2020 No.1359 of Ministry of Housing, Communities and Local Government. This certificate applies to the construction product.

**FDSB226-WW Analogue Addressable Type A Sounder Beacon Base with Short Circuit Isolator, White Body, White LEDs**

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

Placed on the market under the name or trademark of:

**Siemens Switzerland Ltd**
**Theilerstrasse 1a**
**CH-6300 Zug**
**Switzerland**

and produced in the manufacturing plant(s):

**Beijing Siemens Cerberus Electronics Limited**
**No.1, Feng Zhi Dong Lu**
**Xi Bei Wang**
**Haidian District**
**Beijing 100094**
**China**

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 54-23:2010 Visual Warning Devices**
**EN 54-17:2005 Short Circuit Isolators**

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 12 May 2022 and will remain valid as long as neither the designated standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the approved product certification body.

P Halligan, Technical Manager

On behalf of BRE Global Limited

Date of First Issue: 12 May 2022

Issue Date: 12 May 2022

Issue Number: 01

To check the validity of this certificate, please contact us on +44 (0)333 321 8811 or email enquiries@breglobal.com


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## APPENDIX to Certificate of constancy of performance: 0832-UKCA-CPR-F0921

**FDSB226-WW Analogue Addressable Type A Sounder Beacon Base with Short Circuit Isolator, White Body, White LEDs**

Notes:
1) Meets the requirement of EN 54-3 at the following tones:

1 - Continuous 970Hz
2 - Intermittent 950Hz, 1s on, 1s off
3 - Sweep down 1200Hz to 500Hz, 1s period
4 - Slow whoop 500Hz to 1200Hz, 4s period, 3.5s sweep, 0.5s off
5 - Pulse tone 500Hz, 0.15s on, 0.1s off
6 - Intermittent 500Hz, 0.15s on, 0.6s off
7 - Continuous 500Hz
8 - Alternating 560Hz and 440Hz, 0.1s and 0.4s
9 - Intermittent 420Hz, 0.6s on, 0.65s off
10 - Slow whoop sweep up 500Hz to 1200Hz, 3.75s sweep, 0.25s off
11 - Intermittent 970Hz, three pulse 0.5s with 0.5s off, then 1.5s gap
12 – Sweep-up 800Hz to 970Hz, 1/7s period
13 - Industrial alarm 150Hz to 1000Hz, 10s rise, 40s hold at 1000Hz, 10s fall

2) Meets the requirements of EN 54-23 at the following:
- Category O-4-15 (High Beacon Intensity)
C-3-12 (Medium Beacon Intensity)
O-2.5-6.5 (Low Beacon Intensity)
- Flash Rate 0.5Hz
- Operating Voltage Range 16-33V

3) Compatible with Sinteso and Cerberus range of detectors as applicable

Bases:
FDB228 Flat base
FDB229 Deep base

P Halligan, Technical Manager

On behalf of BRE Global Limited

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