

## BRE Global Ireland

### Notified Body No. 2831

BRE Global Assurance (Ireland) Limited  
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## Certificate of constancy of performance

### 2831-CPR-F4466

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)

#### MI-BRS-xC-I 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:

**Morley by Honeywell**  
**Pittway Tecnologica Srl**  
**Via Caboto 19/3**  
**34147 Trieste**  
**Italy**

and produced in the manufacturing plant(s):

**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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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-F4466

### MI-BRS-xC-I Addressable Type A Detector Base Sounder Strobe

#### Notes:

- x indicates body colour. Detector White, P=Pure White
- 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 1000Hz 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
  - Tone 27 – Sweep 800-970Hz for 1Hz
  - Tone 28 – Sweep 2400-2850Hz for 50Hz
  - Tone 29 – Sweep 500-1000Hz for 7Hz



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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

3. 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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