# BRE Certification Limited and LPCB

*Bucknalls Lane, Garston, Watford, Hertfordshire, WD25 9XX*
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# EC-CERTIFICATE OF CONFORMITY

## 0832 - CPD - 0394

In compliance with the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive - CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction product

**EMA1224FR Conventional wall mounted sounder - red for use in fire detection and alarm systems**

*(For conditions of use for the product see the attached appendix)*

placed on the market by

**KAC Alarm Company Ltd**
**15-19 Trescott Road, Smallwood, Redditch, Worcestershire, B98 7AH**

and produced in the factory

**KAC Alarm Company Ltd**
**15-19 Trescott Road, Smallwood, Redditch, Worcestershire, B98 7AH**

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan. The initial type-testing for the relevant characteristics of the product, the initial inspection and continuous surveillance of the factory and factory production control has been performed under the control of the approved body BRE Certification Limited.

This certificate attests that all provisions concerning the attestation of conformity (Level 1) and the performances described in Annex ZA of the standard(s)

**EN 54 - 3: 2001 + A1: 2002 - Fire detection and fire alarm systems - Fire alarm devices - Sounders**

were applied and that the product fulfils all the prescribed requirements.

This certificate was first issued on 6/4/2006 and remains valid as long as the product continues to be manufactured and the conditions laid down in the harmonised technical specification referenced or the manufacturing conditions in the factory or the FPC itself are not modified significantly and the required annual FPC assessments are maintained.

Philip Field
For and on behalf of BRE Certification Limited

Date of Issue: 6/4/2006
Issue Number: 1


This certificate remains the property of BRE Certification Ltd and is issued subject to terms and conditions and is maintained and held in force through regular Factory Production Control audits.
To check the authenticity of this certificate, please visit our website or contact us.

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## Appendix to EC Certificate of conformity 0832 - CPD - 0394

The details and conditions of use for the EMA1224FR Conventional wall mounted sounder - red, placed on the market by KAC Alarm Company Ltd are:

To be used in accordance with the suppliers installation instructions and in conjuction with the following bases, ancillaries, sounder tones and sensitivity settings *(where applicable)*:

**Sounder Tones:**
1 – Stage1: sweep 500/1200Hz 15ms. Stage2: sweep 1200/500Hz 100ms
2 – Stage1: continuous 2400Hz. Stage2: alternating 800/1000Hz 50ms
3 – Stage1: intermittent 1200/0Hz 20ms. Stage2: sweep 1200/500Hz 100ms
4 – Stage1: sweep 1200/500Hz 100ms. Stage2: sweep 1200/500Hz 100ms
5 – Stage1: continuous 800Hz. Stage2: alternating 800/1000Hz 50ms
6 – Stage1: sweep 500/1200Hz 500ms. Stage2: alternating 800/1000Hz 50ms
7 – Stage1: alternating 800/1000Hz 50ms. Stage2: alternating 800/1000Hz 50ms
8 – Stage1: intermittent 2400/0Hz. Stage2: sweep 1200/500Hz 100ms
9 – Stage1: sweep 500/1200Hz 120ms. Stage2: sweep 1200/500Hz 1s
10 – Stage1: continuous 2400Hz. Stage2: alternating 800/1000Hz 500ms
11 – Stage1: intermittent 1200/0Hz 500ms. Stage2: sweep 1200/500Hz 1s
12 – Stage1: sweep 1200/500Hz 1s. Stage2: sweep 1200/500Hz 1s
13 – Stage1: continuous 800Hz. Stage2: alternating 800/1000Hz 500ms
14 – Stage1: sweep 500/1200Hz 4s. Stage2: alternating 800/1000Hz 500ms
15 – Stage1: alternating 800/1000Hz 500ms. Stage2: alternating 800/1000Hz 500ms
16 – Stage1: intermittent 2400/0Hz 500ms. Stage2: sweep 1200/500Hz 1s

**Variants:**
EMA1224FW - White

Philip Field
For and on behalf of BRE Certification Limited

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