

# **BRE Global Limited & LPCB**

Bucknalls Lane, Garston, Watford, Hertfordshire, United Kingdom WD25 9XX

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## **EC-CERTIFICATE OF CONFORMITY**

### **0832 - CPD - 1374**

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

**FNM-320-SRD Sounder, Surface-mount, 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

**Bosch Sicherheitssysteme GmbH**  
**Postfach 12 70, 85504 Ottobrunn, Germany**

and produced in the factory

**Cooper Fulleon Limited**  
**Llantarnam Park, Cwmbran, South Wales, NP44 3AW**


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 Global 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 + A2: 2006 - 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 05/05/2010 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.



Martin McCullagh  
For and on behalf of BRE Global Limited

Date Of Issue: 05/05/2010  
Issue Number: 1  
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## **Appendix to EC Certificate of conformity 0832 - CPD - 1374**

The details and conditions of use for the FNM-320-SRD Sounder, Surface-mount, Red, placed on the market by Bosch Sicherheitssysteme GmbH, Postfach 12 70, 85504 Ottobrunn, Germany are:

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

### **Bases:**

Deep base  
Shallow base

### **Sounder Tones:**

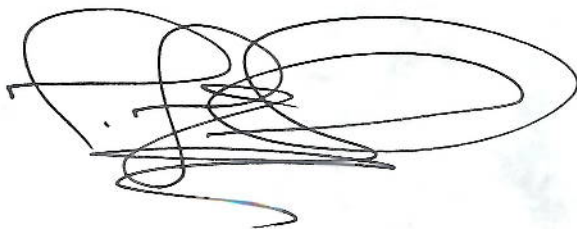
3 - Sweep 800Hz - 970Hz in 1s  
7 - Slow whoop 500Hz - 1200Hz in 3.5s - 0.5s silence  
8 - Sweep 1200Hz - 500Hz in 1s  
14 - Continuous 970Hz steady  
29 - Alternating 990Hz 250ms / 650Hz 250ms  
30 - Alternating 510Hz 250ms / 610Hz 250ms

### **Variants:**

FNM-320-SWH, Sounder, Surface-mount, White  
FNM-320-FRD, Sounder, Flush-mount, Red  
FNM-320-FWH, Sounder, Flush-mount, White

### **Conditions of Use:**

The FNM-320-SRD and FNM-320-SWH are Type B sounders - they have been approved for use with the deep base.  
The FNM-320-FRD and FNM-320-FWH are Type A sounders - they have been approved for use with the shallow base.



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To check the authenticity of this certificate, please visit our website or contact us.