

# **BRE Global Limited**

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

### **0832 - CPD - 0574**

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

**LPAV865 Symphoni MX addressable loop powered Type B sounder beacon (red) with isolator for use in fire detection and alarm systems**  
(For conditions of use for the product see the attached appendix)

placed on the market by

**Thorn Security Ltd. (Trading as Tyco Safety Products)**  
**Dunhams Lane, Letchworth, Hertfordshire SG6 1BE, UK.**

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 - Sounders**  
**EN 54 - 17: 2005 - Short circuit isolators**

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

This certificate was first issued on 24/8/2007 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.



Eman Mattie-Suleiman  
Certification Manager  
For and on behalf of BRE Global Limited

Date of Issue: 6/2/2012  
Issue Number: 3  
Page: 1 of 2

This certificate remains the property of BRE Global Limited 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 - 0574**

The details and conditions of use for the LPAV865 Symphoni MX addressable loop powered Type B sounder beacon (red) with isolator, placed on the market by Thorn Security Ltd. (Trading as Tyco Safety Products) Dunhams Lane, Letchworth, Hertfordshire SG6 1BE, UK. 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*):

### **Sounder Tones:**

- 1 - Dutch slow whoop, 500-1200Hz over 3.5s / 0.5s off, repeat.
- 2 - Fast sweep, 800-970Hz at 7Hz .
- 6 - Temporal 3, 3 pulses 880Hz, (0.5s on / 0.5s off) / 1.5s off, repeat.
- 9 - Continuous 850Hz

### **Variants:**

FC410LPAV - Fireclass communication protocol



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