

# CERTIFICATE OF CONSTANCY OF PERFORMANCE

**0905-CPR-00291**

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product(s)

**Product(s):** Ziton range of wireless sounder and sounder Visual Indicator bases

(refer to attached appendix for details and conditions)

**Placed on the market  
under the name or trade mark of:** EMS Security Group Limited  
Technology House, Sea Street  
Herne Bay, Kent, CT6 8JZ  
United Kingdom

**and produced in the  
manufacturing plant(s):** EMS Security Group Limited (SG-15557)  
Technology House, Sea Street  
Herne Bay, Kent, CT6 8JZ  
United Kingdom

**Intended use:** Fire Safety

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

**EN 54-25:2008+AC:2012**

**EN 54-3:2001+A1:2002+A2:2006**

Under System 1 for the performance set out in this certificate are applied and that the performance of the construction product is assessed to remain constant.

This certificate was first issued under **0359-CPR-00291** on **2014-02-12** 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

**Notified Body**  
**0905**

**Certification Manager:** Dipl.-Ing. Roland Heine

**Signature:**



**Date Issue:** 2020-10-02

**Issue:** 1

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# CERTIFICATE OF CONSTANCY OF PERFORMANCE

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## APPENDIX TO: Certificate of Constancy of Performance 0905-CPR-00291

The details and conditions of use for the Zitron range of wireless sounder and sounder Visual Indicator bases, placed on the market under the name or trade mark of:

**EMS Security Group Limited**  
**Technology House, Sea Street**  
**Herne Bay, Kent, CT6 8JZ**  
**United Kingdom**

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

**Products compliant with EN 54-25:2008+AC:2012 and EN 54-3:2001+A1:2002+A2:2006.**

| Model      | Manufacturing Location | Description                                     |
|------------|------------------------|-------------------------------------------------|
| ZR401-3PA  | SG-15557               | Zitron Combined Sounder Base                    |
| ZR401-3PAV | SG-15557               | Zitron Combined Sounder – Visual Indicator Base |

### Detector Heads:

The bases are intended for use with the following EN 54-5 and EN 54-7 compliant detector heads

|          |          |                                                                               |
|----------|----------|-------------------------------------------------------------------------------|
| ZR432-2  | SG-15557 | Zitron Wireless Class A2 heat detector / optical smoke detector (Ivory)       |
| ZR432-2P | SG-15557 | Zitron Wireless Class A2 heat detector / optical smoke detector (Polar White) |

### Conditions of use:

Suitable for indoor applications (Type A)

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EN54-3:2001+A1:2002+A2:2006

Approved settings/conditions:

Compliant tones:

| Switch Setting 3 | Switch Setting 4 | 1st Stage Tone | Tone Type  | Tone Description        | 2nd Stage Tone | Tone Type    | Tone Description   |
|------------------|------------------|----------------|------------|-------------------------|----------------|--------------|--------------------|
| ON               | OFF              | 1              | Continuous | 970Hz                   | 18             | Continuous   | 2400Hz             |
| OFF              | ON               | 2              | Pulsed     | 800Hz/970Hz @ 2Hz       | 1              | Continuous   | 970Hz              |
| ON               | ON               | 3              | Saw tooth  | 800Hz/970Hz @ 1Hz       | 1              | Continuous   | 970Hz              |
| OFF              | OFF              | 5              | Pulsed     | 970Hz, 0.5s/630Hz, 0.5s | 4              | Intermittent | 970Hz 1s OFF/1s ON |

## Packing Variants:

The approved Combined Sounder Detector Base and Combined Sounder-Visual Indicator Detector Base can be supplied complete with a detector head. The packing variants are as follows:

**Products compliant with EN54-3:2001 + A1:2002 + A2:2006 and EN54-25:2008 + AC:2012**

| Variant    | Description                                                                          |
|------------|--------------------------------------------------------------------------------------|
| ZR432-2PA  | Ziton Combined Sounder and Detector<br>(ZR401-3PA with ZR432-2P)                     |
| ZR432-2PAV | Ziton Combined Sounder – Visual Indicator and Detector<br>(ZR401-3PAV with ZR432-2P) |

## General Notes:

1. Evaluated under Intertek project number G101241271.
2. No CE or other type approval is made or inferred outside of the attestation of conformity and the product performance as stipulated on this certificate.

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Table of performance for EN54-25:2008+AC:2012  
Harmonised technical specification

| Essential characteristics                                     | Performance | Clauses                                                                                                                   | Notes |
|---------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------|-------|
| Performance parameters under fire conditions                  | Pass        | 4.1, 4.2.2, 5.2, 8.3.7                                                                                                    | a     |
| Response delay (response time to fire)                        | Pass        | 8.2.3, 8.2.6                                                                                                              | a     |
| Operational reliability                                       | Pass        | 4.2.1, 4.2.3 to 4.2.7, 5.3, 5.4, 6, 7, 8.2.2, 8.2.4, 8.2.5, 8.2.7, 8.2.8, 8.2.9, 8.3.1, 8.3.2, 8.3.3, 8.3.4, 8.3.5, 8.3.6 |       |
| Durability of operational reliability; temperature resistance | Pass        | 8.3.9, 8.3.10, 8.3.11                                                                                                     |       |
| Durability of operational reliability; vibration resistance   | Pass        | 8.3.16, 8.3.17 to 8.3.19                                                                                                  |       |
| Durability of operational reliability; humidity resistance    | Pass        | 8.3.12, 8.3.13, 8.3.14                                                                                                    | b     |
| Durability of operational reliability; corrosion resistance   | Pass        | 8.3.15                                                                                                                    |       |
| Durability of operational reliability; electrical stability   | Pass        | 8.3.20                                                                                                                    | c     |

**Notes:**

- The products covered by this standard are assumed to enter the alarm condition, in an event of fire, before the fire becomes so large as to affect their functioning. There is therefore no requirement to function when exposed to direct attack from fire.
- Clause 8.3.13 is only applicable for CIE and smoke detectors.
- Clauses 8.3.20.2f and 8.3.20.2g are only applicable for mains supplied devices; these clauses were therefore not assessed.

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Table of performance for EN54-3:2001+ A1:2002 + A2:2006  
Harmonised technical specification

| Essential characteristics                                     | Performance | Clauses                                               | Notes   |
|---------------------------------------------------------------|-------------|-------------------------------------------------------|---------|
| Performance parameters under fire conditions                  | Pass        | 4.2, 4.3, 5.2, 5.3, C.3.1, C.3.2, C.5.1, C.5.2, C.5.3 | a, b, e |
| Operational reliability                                       | Pass        | 4.4, 4.5, 4.6, 5.4, C4                                |         |
| Durability of operational reliability; temperature resistance | Pass        | 5.5, 5.6, 5.7, 5.8, 5.9                               | c       |
| Durability of operational reliability; vibration resistance   | Pass        | 5.12 to 5.15                                          |         |
| Durability of operational reliability; humidity resistance    | Pass        | 5.8, 5.9, 5.10                                        | c       |
| Durability of operational reliability; corrosion resistance   | Pass        | 5.11                                                  |         |
| Durability of operational reliability; electrical stability   | Pass        | 5.16                                                  | d       |
| Durability of operational reliability; Resistance to ingress  | Pass        | 5.17                                                  |         |

### Notes:

- a) C.3, C.4, C.5.1, C.5.2 and C.5.3 apply only to voice sounders.
- b) C.3.2 and C.5.3 apply only to voice sounders with the message synchronisation option.
- c) 5.6 and 5.10 applies only to outdoor sounders or outdoor voice sounders.
- d) 5.16 applies only to sounders or voice sounders with active electronic components
- e) The products covered by this standard are assumed to enter the alarm condition, in an event of fire, before the fire becomes so large as to affect their functioning. There is therefore no requirement to function when exposed to direct attack from fire.

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