

LPCB

This is to Certify

CRANFORD CONTROLS LTD

Unit 2 Waterbrook Estate, Waterbrook Road, Alton, Hampshire, GU34 2UD

is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix.

**Vantage VTG-32E-SB Sounder, Vantage VTG-32E-DB Sounder,
Viper VPR-DT Sounder and VSO-32E Sounder**

which have complied with the requirements of the following:

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

Certificate No: 546a

Issue Number: 09

Date of Issue: 24 October 2011

Signed for and on behalf of LPCB



E MATTIE-SULEIMAN



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Appendix to Certificate

Certificate No: 546a

CRANFORD CONTROLS LTD

Certified Products

LPCB Ref. No.

VTG-32E-SB Conventional indoor Type A sounder

546a/01

- Notes:
1. The sounder is approved in red and white colours (-R and -W suffixes)
 2. Certified to EN54-3: 2001 with the following selectable tones:
 - 1 – LF Sweep frequency (800-1000Hz in 0.5sec)
 - 25 – German DIN tone Sweep (1200-500Hz @ 1Hz)
 - 27 – French tone AFNOR (554Hz for 100ms and 440Hz for 400ms)
 - 2nd Stage tone for all above (800Hz continuous tone)
 - 11 - 2nd Stage, Dutch sweep tone (500-1200Hz for 3.5s on, 0.5s off)

VTG-32E-DB Conventional outdoor Type B sounder

546a/01

- Notes:
1. The sounder is approved in red and white colours (-R and -W suffixes)
 2. Certified to EN54-3: 2001 with the following selectable tones:
 - 1 – LF Sweep frequency (800-1000Hz in 0.5sec)
 - 25 – German DIN tone Sweep (1200-500Hz @ 1Hz)
 - 27 – French tone AFNOR (554Hz for 100ms and 440Hz for 400ms)
 - 2nd Stage tone for all above (800Hz continuous tone)
 - 11 - 2nd Stage, Dutch sweep tone (500-1200Hz for 3.5s on, 0.5s off)

For details of Cross-Listed products and alternative branding please see page 4.

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Appendix to Certificate

Certificate No: 546a

CRANFORD CONTROLS LTD

| Certified Products | LPCB Ref. No. |
|--|---|
| VPR-DT Conventional outdoor Type B sounder (116-100 mounting base) | 546a/02 |
| Notes: | |
| 1. | <i>Certified to EN 54-3: 2001 with the following selectable tones: 1 – Evacuate Tone (500-1200Hz Rising Sweep over 3.5 Sec 0.5 Sec off) 2 – Alert Tone (970Hz Continuous Tone)</i> |
| 2. | <i>Certified at Maximum Volume only</i> |
| VSO-32E Conventional indoor Type A sounder base | 546a/04 |
| Notes: | |
| 1. | <i>Also approved in Off-white, Ivory and Alternative white (-O, -I, and -A suffixes)</i> |
| 2. | <i>Meets the requirements of EN 54-3 at the following tone settings on low, medium and high volume settings: 1 – LF Sweep (Cranford sweep) (800-1000Hz @ 0.5 Sec) 3 – Alternative Warble (800-1000Hz @ 0.5 Sec) 11 – Dutch Sweep Tone (970Hz Cont) 25 – German DIN Tone (Sweep 1200-500Hz @ 1Hz) 27- French Tone AFNOR (554Hz 100ms and 440Hz for 400 ms)</i> |
| 3. | <i>Cover plate (Part No. 116-099) must be used.</i> |

Bases

116-100 Viper Mounting Base

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Appendix to Certificate

Certificate No: 546a

CRANFORD CONTROLS LTD

ALTERNATIVE MODEL NUMBERS AND LABELLING

| LPCB Ref. No. | Model No. | Alternative Model No. | Labelled | Distributor's Cert /Ref. No. |
|---------------|--------------|-----------------------|-------------|------------------------------|
| 546a/01 | VTG-32E-SB-R | EVTG-32E-SB-R | Eurotech* | 546a-(cl-1) |
| 546a/01 | VTG-32E-SB-W | EVTG-32E-SB-W | Eurotech* | 546a-(cl-1) |
| 546a/01 | VTG-32E-DB-R | EVTG-32E-DB-R | Eurotech* | 546a-(cl-1) |
| 546a/01 | VTG-32E-DB-W | EVTG-32E-DB-W | Eurotech* | 546a-(cl-1) |
| 546a/02 | VPR-DT | AS276 | GE Security | |
| 546a/04 | VSO-32E | EVSO-32E-W | Eurotech* | 546a-(cl-1) |
| 546a/04 | VSO-32E-A | EVSO-32E-EW | Eurotech* | 546a-(cl-1) |

* Eurotech Fire Systems Ltd.

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