

## VdS

The Cranford Controls manufacturing plant is approved to VdS approval no. G205137.

Approved Products	Approval No.
VTG-32E <i>The following tones are tested and approved for use in fire detection and fire alarm systems:</i> 1 - LF Sweep frequency (800-1000Hz in 0.5sec) 8 - LF Continuous Tone (800Hz) 25 - German DIN tone (Sweep 1200-500Hz @ 1Hz) 27 - French tone AFNOR (554Hz for 100ms and 440Hz for 400ms)	G205137

## CPD - EC Certificate of Conformity

The following products are submitted by Cranford Controls Ltd 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.

Approved Products	Approval No.
VTG-32E <i>Conventional Type A/B fire alarm sounder for use in fire detection and alarm systems</i>	0832-CPD-0255
VPR-DT 24V <i>Fire Sounder for use in fire detection and alarm systems</i>	0832-CPD-0493

All provisions concerning the attestation of conformity (Level 1) and the performances described in Annex ZA of the standard **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.

## LPCB (Loss Prevention Certification Board)

The Cranford Controls manufacturing plant is certified to Quality System Cert. No. 546 Assessed to ISO 9001:2000

Certificate Number: 546a to EN 54-3: 2001 + A1: 2002

Certified Products	LPCB Ref. No.
VTG-32E-SB Conventional indoor Type A Sounder Notes: 1) <i>The sounder is approved in red and white colours (-R and -W suffixes)</i> 2) <i>Certified to EN54-3: 2001 with the following selectable tones:</i> 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) 2 <sup>nd</sup> Stage tone for all above (800Hz continuous tone) 11 - 2 <sup>nd</sup> Stage, Dutch sweep tone (500-1200Hz for 3.5s on, 0.5s off)	546a/01
VTG-32E-DB Conventional outdoor Type B Sounder Notes: 1) <i>The sounder is approved in red and white colors (-R and -W suffixes)</i>	546a/01

	<ul style="list-style-type: none"> <li>2) <i>Certified to EN54-3: 2001 with the following selectable tones:</i> <ul style="list-style-type: none"> <li>1 - <i>LF Sweep frequency (800-1000Hz in 0.5sec)</i></li> <li>25 - <i>German DIN tone sweep (1200-500Hz @ 1Hz)</i></li> <li>27 - <i>French tone AFNOR (554Hz for 100ms and 440Hz for 400ms)</i></li> <li>2<sup>nd</sup> <i>Stage tone for all above (800Hz continuous tone)</i></li> <li>11 - <i>2<sup>nd</sup> Stage, Dutch sweep tone (500-1200Hz for 3.5s on, 0.5s off)</i></li> </ul> </li> </ul>	
VPR-DT	<p>Conventional outdoor Type B sounder</p> <p>Notes:</p> <ul style="list-style-type: none"> <li>1) <i>Certified to EN54-3: 2001 with the following selectable tones:</i> <ul style="list-style-type: none"> <li>1 - <i>Evacuate Tone (500-1200Hz Rising Sweep over 3.5 Sec 0.5 Sec off)</i></li> <li>2 - <i>Alert Tone (970Hz Continuous Tone)</i></li> </ul> </li> <li>2) <i>Certified at Maximum Volume only.</i></li> </ul>	546a/02
VSO-32	<p>Conventional indoor Type A sounder base</p> <p>Notes:</p> <ul style="list-style-type: none"> <li>1) <i>This sounder meets requirements of EN 54-3: 2001 for the following tones at low, medium and high volume settings:</i> <ul style="list-style-type: none"> <li>1 - <i>LF Sweep frequency (800-1000Hz in 0.5sec)</i></li> <li>3 - <i>Alternative Warble (800-1000Hz in 0.5sec)</i></li> <li>11 - <i>Dutch Sweep Tone (970Hz Continuous)</i></li> <li>25 - <i>German DIN Tone (Sweep 1200-500Hz @ 1Hz)</i></li> <li>27 - <i>French Tone AFNOR (554Hz 100ms and 440Hz for 400ms)</i></li> </ul> </li> <li>2) <i>Cover plate (Part No. 116-099) must be used.</i></li> </ul>	546a/04
VSO-4	<p>Conventional indoor Type A sounder base</p> <p>Notes:</p> <ul style="list-style-type: none"> <li>1) <i>This sounder meets requirements of EN 54-3: 2001 for the following tones at low, medium and high volume settings:</i> <ul style="list-style-type: none"> <li>1 - <i>LF Sweep frequency (800-1000Hz in 0.5sec)</i></li> <li>3 - <i>Warble Tone (800-1000Hz in 0.5sec)</i></li> <li>8 - <i>LF Continuous Tone (800Hz)</i></li> <li>17 - <i>Interrupted Tone (800Hz Intermittent 0.5sec on, 0.5sec off)</i></li> </ul> </li> <li>2) <i>Cover Plate (Part No 116-099) must be used.</i></li> </ul>	546a/03
VSO-3	<p>Conventional indoor Type A sounder base</p> <p>Notes:</p> <ul style="list-style-type: none"> <li>1) <i>The sounder meets the requirements of EN 54-3:2001 for the following tones at low, medium and high volume settings:</i> <ul style="list-style-type: none"> <li>1 - <i>LF Sweep frequency (800-1000Hz in 0.5sec)</i></li> <li>11 - <i>2<sup>nd</sup> Stage, Dutch sweep tone (500-1200Hz for 3.5s on, 0.5s off)</i></li> <li>25 - <i>German DIN tone (Sweep 1200-500Hz @ 1Hz)</i></li> </ul> </li> <li>2) <i>Cover Plate (Part No. 116-099) must be used.</i></li> </ul>	546a/05
Base:	116-007FR Viper Mounting Base	

If you require copies of our approval certificates please contact our technical department.