

Certificate of Product Approval

Certificate Number: 166r-(cl-2)

Issue: 02

Life Safety Distribution GmbH, System Sensor Europe

Javastrasse 2
CH-8604
Hegnau
Switzerland



is certified by BRE **Global** Ltd. and is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirement(s) of the standards as detailed below:

Products

Audible Warning Devices

WSS-xC-Iyy

DSS-xC-Iyy

(refer to Appendix for details)

Standards

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

EN 54-17:2005

EN 54-23:2010

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Signed for BRE Global Ltd

P Halligan

Verifier

04 August 2017

Date of Issue

11 April 2014

Date of First Issue



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Appendix to Certificate No: 166r-(cl-2)

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Certified Product	Description	LPCB Ref.No.
WSS-xC-Iyy	<p>Analogue Addressable Wall Mounted Sounder / LED Strobe with Short Circuit Isolator (B501AP base)</p> <p>Notes:</p> <ol style="list-style-type: none"> The wall mounted VAD meets the requirements of EN 54-23: 2010 for the following category (light pattern details): <ul style="list-style-type: none"> - Category O – Open Class - Flash rate 1Hz - Synchronization x indicates body colour. D=Detector White, P=Pure White yy indicates customer and associated communication protocol. <ul style="list-style-type: none"> 01 indicates Advanced Protocol (and Honeywell 500 series protocol) 00 and 02-99 indicates Advanced Protocol (and System Sensor 500 series protocol) Type A with Bcc deep back box, Type B with Wcc deep back box Meets the requirements of EN54-3: 2001 at the following tones: <ol style="list-style-type: none"> 1) Alternating 525/440, 2Hz (100ms/400ms); 2) Alternating 800/922, 1Hz; 3) Alternating 800/922, 2Hz; 4) Alternating 2400/2900, 3Hz; 5) Alternating 2500/3100, 2Hz; 6) Alternating 988/645, 2Hz; 7) Continuous 630Hz; 8) Continuous 922Hz; 9) Continuous 1200Hz; 10) Continuous 2810Hz; 	166r/01

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Certified Product	Description	LPCB Ref.No.
	11) Sweep 150-1000Hz, rise 10s, stable 40s, fall 10s, stable 20s, then repeating; 12) Intermittent 420Hz, 0.625s on, 0.625 sec off; 13) Sweep 500-1200Hz, 0.25 sec off, 3.75 sec on; 14) Intermittent 630, 3.33Hz, 150ms on, 150ms off; 15) Intermittent 922, 0.8Hz 0.25s on, 1s off; 16) Intermittent 922, 0.5Hz 1s on, 1s off; 17) Intermittent 2810, 1Hz; 18) Intermittent 922, 1Hz 500ms on, 500ms off; 19) Intermittent 950, 0.22Hz (0.5s on, 0.5s off) x 3, 1.5s off; 20) Continuous 800Hz; 21) Sweep 400-1200Hz, (0.5s on, 0.5s off) x 3, 1.5s off; 22) Sweep 1200 – 500Hz, 0.99Hz 1s on, 0.01s off; 23) Sweep 2400 – 2850, 7Hz; 24) Sweep 500 – 1200Hz, (0.5s off, 3.5s on); 25) Sweep 800 – 970, 50Hz; 26) Sweep 800 – 970, 7Hz; 27) Sweep 800 – 970, 1Hz; 28) Sweep 2400 – 2850, 50Hz; 29) Sweep 500 – 1000, 7Hz; 30) Sweep 500 – 1200 – 500, 0.166Hz rise 1s, stable 4s, fall 1s; 31) Sweep 800 – 1000, 2Hz; 32) Sweep 2400 – 2850, 1Hz	

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Certified Product	Description	LPCB Ref.No.
DSS-xC-lyy	<p>Analogue Addressable Type A Integrated Detector Base Sounder/Beacon with Short Circuit Isolator (B501AP base)</p> <p>Notes:</p> <ol style="list-style-type: none"> The wall mounted VAD meets the requirements of EN 54-23: 2010 for the following category (light pattern details): <ul style="list-style-type: none"> - Category O – Open Class - Flash rate 1Hz - Synchronization x indicates body colour. D=Detector White, P=Pure White yy indicates customer and associated communication protocol. <ul style="list-style-type: none"> 01 indicates Advanced Protocol (and Honeywell 500 series protocol) 00 and 02-99 indicates Advanced Protocol (and System Sensor 500 series protocol) Meets the requirements of EN54-3 for all output levels at voltage range 15-29VDC and tones: <ol style="list-style-type: none"> 1) 554/440, 2Hz (100ms/400ms); 2) 800/970, 1Hz; 3) 800/970, 2Hz; 4) 2400/2900, 3Hz; 5) 2500/3100, 2Hz; 6) 988/645, 2Hz; 7) 660Hz; 8) 970Hz; 9) 1200Hz; 10) 2850Hz; 11) 150-1000, rise 10s, stable 40s, fall 10s, stable 20s, then repeating; 	166r/02

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Certified Product	Description	LPCB Ref.No.
	12) 420Hz, 0.625s on, 0.625 sec off; 13) 500-1200Hz, 0.25 sec off, 3.75 sec on; 14) 660, 3.33Hz, 150ms on, 150ms off; 15) 970, 0.8Hz 0.25s on, 1s off; 16) 970, 0.5Hz 1s on, 1s off; 17) 2850, 1Hz; 18) 970, 1Hz 500ms on, 500ms off; 19) 950, 0.22Hz (0.5s on, 0.5s off) x 3, 1.5s off; 20) 800Hz; 21) 400-1200Hz, (0.5s on, 0.5s off) x 3, 1.5s off; 22) 1200 – 500Hz, 0.99Hz 1s on, 0.01s off; 23) 2400 – 2850, 7Hz; 24) 500 – 1200Hz, (0.5s off, 3.5s on); 25) 800 – 970, 50Hz; 26) 800 – 970, 7Hz; 27) 800 – 970, 1Hz; 28) 2400 – 2850, 50Hz; 29) 500 – 1000, 7Hz; 30) 500 – 1200 – 500, 0.166Hz rise 1s, stable 4s, fall 1s; 31) 800 – 1000, 2Hz; 32) 2400 – 2850, 1Hz.	

Ancillaries / Bases

B501AP	Mounting base – Low profile base IP21C
Bcc	Deep back box
Wcc	Waterproof deep back box IP33C

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