

Certificate of Product Approval

Certificate Number: 166h

Issue: 03

KAC Alarm Company Ltd

Thornhill Road,
North Moons Moat,
Redditch,
B98 9ND,
United Kingdom



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

WSO-XX-NYY
WSS-XX-NYY
BSO-XX-NYY
BSS-XX-NYY
CWSO-RR-YY
CWSO-WW-YY
CWSS-RA-YY
CWSS-WA-YY
CWSS-RB-YY
CWSS-WB-YY

(refer to Appendix for details)

Standards

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

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Signed for LPCB

Martin McCullagh

Verifier

17 April 2014

Date of Issue

03 May 2012

Date of First Issue



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Appendix to Certificate No: 166h KAC Alarm Company Ltd

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Certified Product	Description	LPCB Ref.No.
WSO-XX- NYY	<p>Analogue addressable Type A/B wall mounted sounder (Type A with B501AP, Bcc deep back box, Type B with Wcc deep back box)</p> <p>Notes:</p> <ol style="list-style-type: none"> XX indicates body colour. PR=Red, PP=Pure White YY indicates customer and associated communication protocol. <p>01 indicates Advanced Protocol (and Honeywell 500 series protocol) 00 and 02-99 indicates Advanced Protocol (and System Sensor 500 series protocol)</p> <ol style="list-style-type: none"> Meets the requirements of EN54-3 for all output levels at voltage range 15-32VDC and tones: <ol style="list-style-type: none"> 554/440, 2Hz (100ms/400ms); 800/970, 1Hz; 800/970, 2Hz; 2400/2900, 3Hz; 2500/3100, 2Hz; 988/645, 2Hz; 660Hz; 970Hz; 1200Hz; 2850Hz; 150-1000, rise 10s, stable 40s, fall 10s, stable 20s, then repeating; 420Hz, 0.625s on, 0.625 sec off; 500-1200Hz, 0.25 sec off, 3.75 sec on; 660, 3.33Hz, 150ms on, 150ms off; 970, 0.8Hz 0.25s on, 1s off; 970, 0.5Hz 1s on, 1s off; 2850, 1Hz; 	166h/01

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	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. 4. Approved as Type B only when used with Wcc deep back box.	
WSS-XX- NYY	Analogue addressable Type A/B wall mounted sounder/strobe (Type A with B501AP, Bcc deep back box, Type B with Wcc deep back box) Notes: 1. XX indicates body/lens colour. PR=Red/Red, PA=Amber/Amber, PC=Clear/Clear 2. YY indicates customer and associated communication protocol. 01 indicates Advanced Protocol (and Honeywell 500 series protocol) 00 and 02-99 indicates Advanced Protocol (and System Sensor 500 series protocol) 3. Meets the requirements of EN54-3 for all output levels at voltage range 15-32VDC and tones: 1) 554/440, 2Hz (100ms/400ms);	166h/02

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Certified Product	Description	LPCB Ref.No.
	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; 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;	

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	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. 4. Certification excludes the strobe function. 5. Approved as Type B only when used with Wcc deep back box.	
BSO-XX-NYY	Analogue addressable Type A integrated detector base sounder (Type A with B501AP, Bcc deep back box, Type B with Wcc deep back box) Notes: 1. XX indicates body colour. PP=Pure White, DD=Detector White 2. YY indicates customer and associated communication protocol. 01 indicates Advanced Protocol (and Honeywell 500 series protocol) 00 and 02-99 indicates Advanced Protocol (and System Sensor 500 series protocol) 3. Meets the requirements of EN54-3 for all output levels at voltage range 15-32VDC and tones: 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;	166h/03

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	11) 150-1000, rise 10s, stable 40s, fall 10s, stable 20s, then repeating; 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;	
BSS-XX-NYY	Analogue addressable Type A integrated detector base sounder/strobe (Type A with B501AP, Bcc deep back box, Type B with Wcc deep back box) Notes:	166h/04

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Certified Product	Description	LPCB Ref.No.
	<p>1. XX indicates body/lens colour. PR=Pure White/Red, PA=Pure White/Amber, PC=Pure White/Clear, DR=Detector White/Red, DA=Detector White/Amber, DC=Detector White/Clear</p> <p>2. YY indicates customer and associated communication protocol. 01 indicates Advanced Protocol (and Honeywell 500 series protocol) 00 and 02-99 indicates Advanced Protocol (and System Sensor 500 series protocol)</p> <p>3. Meets the requirements of EN54-3 for all output levels at voltage range 15-32VDC and tones:</p> <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; 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; 	

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	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. 4. The strobe function is not included in the scope of the approval	
CWSO-RR-YY	Conventional Sounder Notes: 1. Type A with CSR shallow back box, Type B with CWR deep back box 2. RR indicates red body 3. YY indicates mounting option. Where S1 = shallow base (standard fix) Where S2 = shallow base (first fix) Where W1 = deep back box (standard fix) Where W2 = deep back box (first fix) 4. Meets the requirements of EN54-3: 2001 for the following tones: 1) 554/440, 2Hz (100ms/400ms);	166h/05

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	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) 2400Hz, alternating between frequencies 2400Hz, 3100Hz & 988Hz 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;	

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	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;	
CWSO-WW-YY	Conventional Sounder Notes: 1. Type A with CSW shallow back box, Type B with CWW deep back box 2. WW indicates white body 3. YY indicates mounting option. Where S1 = shallow base (standard fix) Where S2 = shallow base (first fix) Where W1 = deep back box (standard fix) Where W2 = deep back box (first fix) 4. Meets the requirements of EN54-3: 2001 for the following tones: 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) 2400Hz, alternating between frequencies 2400Hz, 3100Hz & 988Hz	166h/06

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	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;	
CWSS-RA-YY	Conventional Sounder Beacon Notes: 1. Type A with CSR shallow back box, Type B with CWR deep back box 2. The beacon function is not included in the scope of the approval 3. RA indicates red body / amber lens + red LED	166h/07

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	<p>4. YY indicates mounting option. Where S7 = shallow base (standard fix) Where S8 = shallow base (first fix) Where W7 = deep back box (standard fix) Where W8 = deep back box (first fix)</p> <p>5. Meets the requirements of EN54-3: 2001 for the following tones:</p> <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) 2400Hz, alternating between frequencies 2400Hz, 3100Hz & 988Hz 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; 	

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	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;	
CWSS-WA-YY	Conventional Sounder Beacon Notes: 1. Type A with CSW shallow back box, Type B with CWW deep back box 2. The beacon function is not included in the scope of the approval 3. WA indicates white body / amber lens + red LED 4. YY indicates mounting option. Where S7 = shallow base (standard fix) Where S8 = shallow base (first fix) Where W7 = deep back box (standard fix) Where W8 = deep back box (first fix) 5. Meets the requirements of EN54-3: 2001 for the following tones: 1) 554/440, 2Hz (100ms/400ms); 2) 800/970, 1Hz; 3) 800/970, 2Hz;	166h/08

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	4) 2400/2900, 3Hz; 5) 2500/3100, 2Hz; 6) 988/645, 2Hz; 7) 660Hz; 8) 970Hz; 9) 1200Hz; 10) 2850Hz; 11) 2400Hz, alternating between frequencies 2400Hz, 3100Hz & 988Hz 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;	

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Certified Product	Description	LPCB Ref.No.
	30) 500 – 1200 – 500, 0.166Hz rise 1s, stable 4s, fall 1s; 31) 800 – 1000, 2Hz; 32) 2400 – 2850, 1Hz;	
CWSS-RB-YY	Conventional Sounder Beacon Notes: 1. Type A with CSR shallow back box, Type B with CWR deep back box 2. The beacon function is not included in the scope of the approval 3. RB indicates red body / red lens + red LED 4. YY indicates mounting option. Where S7 = shallow base (standard fix) Where S8 = shallow base (first fix) Where W7 = deep back box (standard fix) Where W8 = deep back box (first fix) 5. Meets the requirements of EN54-3: 2001 for the following tones: 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) 2400Hz, alternating between frequencies 2400Hz, 3100Hz & 988Hz 12) 420Hz, 0.625s on, 0.625 sec off;	166h/09

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Signed for LPCB

Martin McCullagh
Verifier

17 April 2014
Date of Issue

03 May 2012
Date of First Issue



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Appendix to Certificate No: 166h KAC Alarm Company Ltd

Issue: 03

Certified Product	Description	LPCB Ref.No.
	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;	
CWSS-WB-YY	Conventional Sounder Beacon Notes: 1. Type A with CSW shallow back box, Type B with CWW deep back box 2. The beacon function is not included in the scope of the approval 3. WB indicates white body / red lens + red LED 4. YY indicates mounting option.	166h/10

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Issue: 03

Certified Product	Description	LPCB Ref.No.
	<p>Where S7 = shallow base (standard fix) Where S8 = shallow base (first fix) Where W7 = deep back box (standard fix) Where W8 = deep back box (first fix)</p> <p>4. Meets the requirements of EN54-3: 2001 for the following tones:</p> <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) 2400Hz, alternating between frequencies 2400Hz, 3100Hz & 988Hz 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; 	

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Issue: 03

Certified Product	Description	LPCB Ref.No.
	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;	

Products Extras

Bases / Ancillaries

B501AP	Mounting base – Low profile base IP21C
Bcc	Deep back box
Wcc	Waterproof deep back box IP33C
CSW	19mm shallow back box – white IP21C
CSR	19mm shallow back box – red IP21C
CWW	45mm deep back box – white IP33C
CWR	45mm deep back box – red IP33C

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Appendix to Certificate No: 166h KAC Alarm Company Ltd

Issue: 03

Alternative Model Numbers and Labelling

LPCB Ref No.	Model No.	Alternative Model No./Label	Cross-listed Company	Cross-Listed Co Cert./ Ref No.
166h/01	WSO-XX-NYY	WSO-xx-Nyy	System Sensor Europe, Life Safety Distribution AG	166h-(cl-1)
166h/01	WSO-XX-NYY	MI-WSO-xx-N	Morley IAS Fire Systems by Honeywell (Pittway Systems Technology Group (Europe) Ltd)	166h-(cl-3)
166h/02	WSS-XX-NYY	WSS-xx-Nyy	System Sensor Europe, Life Safety Distribution AG	166h-(cl-1)
166h/02	WSS-XX-NYY	MI-WSS-xx-N	Morley IAS Fire Systems by Honeywell (Pittway Systems Technology Group (Europe) Ltd)	166h-(cl-3)
166h/03	BSO-XX-NYY	BSO-xx-Nyy	System Sensor Europe, Life Safety Distribution AG	166h-(cl-1)
166h/03	BSO-XX-NYY	MI-BSO-xx-N	Morley IAS Fire Systems by Honeywell (Pittway Systems Technology Group (Europe) Ltd)	166h-(cl-3)
166h/04	BSS-XX-NYY	BSS-xx-Nyy	System Sensor Europe, Life Safety Distribution AG	166h-(cl-1)

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Issue: 03

LPCB Ref No.	Model No.	Alternative Model No./Label	Cross-listed Company	Cross-Listed Co Cert./ Ref No.
166h/04	BSS-XX-NYY	MI-BSS-xx-N	Morley IAS Fire Systems by Honeywell (Pittway Systems Technology Group (Europe) Ltd)	166h-(cl-3)

Bases

166h	B501AP-cc	B501AP-cc	System Sensor Europe, Life Safety Distribution AG	166h-(cl-1)
166h	Bcc	Bcc	System Sensor Europe, Life Safety Distribution AG	166h-(cl-1)
166h	Wcc	Wcc	System Sensor Europe, Life Safety Distribution AG	166h-(cl-1)
166h	B501AP-cc	B501AP-cc	Morley IAS Fire Systems by Honeywell (Pittway Systems Technology Group (Europe) Ltd)	166h-(cl-3)
166h	Bcc	Bcc	Morley IAS Fire Systems by Honeywell (Pittway Systems Technology Group (Europe) Ltd)	166h-(cl-3)
166h	Wcc	Wcc	Morley IAS Fire Systems by Honeywell (Pittway Systems Technology Group (Europe) Ltd)	166h-(cl-3)

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