

Certificate of Product Approval

Certificate Number: 164t

Issue: 08

Hochiki Europe (UK) Ltd

Grosvenor Road
Gillingham Business Park
Gillingham
Kent
ME8 0SA
United Kingdom

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

Visual Alarm Devices

| | |
|------------------|------------------|
| CHQ-WSB2/WL | YBO-BSB3(BLK)/RL |
| CHQ-WSB2/RL | YBO-BSB3/WL |
| CHQ-WSB2(WHT)/WL | YBO-BSB3(WHT)/WL |
| CHQ-WSB2(WHT)/RL | YBO-BSB3(BLK)/WL |
| YBO-BSB2/WL | |
| YBO-BSB2/RL | |
| YBO-BSB2(WHT)/WL | |
| YBO-BSB2(WHT)/RL | |
| YBO-BSB2(BLK)/WL | |
| YBO-BSB2(BLK)/RL | |
| YBO-BSB3/RL | |
| YBO-BSB3(WHT)/RL | |

(Refer to Appendix for details)

Standards

EN 54-3:2014 + A1:2019
EN 54-23:2010

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4 March 2024

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Appendix to Certificate No: 164t

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Hochiki Europe (UK) Ltd

| Certified Product | Description | LPCB Ref.No. |
|-------------------|---|--------------|
| CHQ-WSB2/WL | Addressable Type A/B Wall Sounder (White LED) Beacon (YBO-R/3(RED), YBO-R/SCI(RED) and YBN-R/3(WHT) bases) Notes: 1. The wall mounted VAD meets the requirements of EN 54-23 for the following: - Category 0 - Flash rate 0.5Hz - Synchronization 2. Meets the requirements of EN 54-3 for tones 1 to 51 listed under Approved Tones. 3. The VAD is Type A when used with any of the above bases and Type B when used with a WS2-WPK weatherproofing kit | 164t/01 |
| CHQ-WSB2/RL | Addressable Type A/B Wall Sounder (Red LED) Beacon (YBO-R/3(RED), YBO-R/SCI(RED) and YBN-R/3(WHT) bases) Notes: 1. The wall mounted VAD meets the requirements of EN 54-23 for the following: - Category 0 - Flash rate 0.5Hz - Synchronization 2. Meets the requirements of EN 54-3 for tones 1 to 51 listed under Approved Tones. 3. The VAD is Type A when used with any of the above bases and Type B when used with a WS2-WPK weatherproofing kit | 164t/02 |
| CHQ-WSB2(WHT)/WL | Addressable Type A/B Wall Sounder (White LED) Beacon (YBO-R/3(WHT) and YBN-R/3(WHT)-SCI bases) Notes: 1. The wall mounted VAD meets the requirements of EN 54-23 for the following: - Category 0 - Flash rate 0.5Hz - Synchronization | 164t/03 |

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| Certified Product | Description | LPCB Ref.No. |
|-------------------|---|--------------|
| | 2. Meets the requirements of EN 54-3 for tones 1 to 51 listed under Approved Tones. 3. The VAD is Type A when used with any of the above bases and Type B when used with a WS2-WPK weatherproofing kit | |
| CHQ-WSB2(WHT)/RL | Addressable Type A/B Wall Sounder (Red LED) Beacon (YBO-R/3(WHT) and YBN-R/3(WHT)-SCI bases) Notes: 1. The wall mounted VAD meets the requirements of EN 54-23 for the following: - Category 0 - Flash rate 0.5Hz - Synchronization 2. Meets the requirements of EN 54-3 for tones 1 to 51 listed under Approved Tones. 3. The VAD is Type A when used with any of the above bases and Type B when used with a WS2-WPK weatherproofing kit | 164t/04 |
| YBO-BSB2/WL | Analogue Addressable Type A Base Sounder (White LED) Beacon (YBO-R/3(RED), YBO-R/SCI(RED) and YBN-R/3(WHT) bases) Notes: 1. The ceiling mounted VAD meets the requirements of EN 54-23 for the following: - Category 0 - Flash rate 0.5Hz - Synchronization 2. Meets the requirements of EN 54-3 for tones 1 to 51 listed under Approved Tones | 164t/05 |
| YBO-BSB2/RL | Analogue Addressable Type A Base Sounder (Red LED) Beacon (YBO-R/3(RED), YBO-R/SCI(RED) and YBN-R/3(WHT) bases) Notes: 1. The ceiling mounted VAD meets the requirements of EN 54-23 for the following: - Category 0 | 164t/06 |

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|-------------------|--|--------------|
| | <ul style="list-style-type: none"> - Flash rate 0.5Hz - Synchronization 2. Meets the requirements of EN 54-3 for tones 1 to 51 listed under Approved Tones | |
| YBO-BSB2(WHT)/WL | Analogue Addressable Type A Base Sounder (White LED) Beacon (YBO-R/3(WHT) and YBN-R/3(WHT)-SCI Bases) Notes: 1. The ceiling mounted VAD meets the requirements of EN 54-23 for the following: <ul style="list-style-type: none"> - Category 0 - Flash rate 0.5Hz - Synchronization 2. Meets the requirements of EN 54-3 for tones 1 to 51 listed under Approved Tones | 164t/07 |
| YBO-BSB2(WHT)/RL | Analogue Addressable Type A Base Sounder (Red LED) Beacon (YBO-R/3(WHT) and YBN-R/3(WHT)-SCI Bases) Notes: 1. The ceiling mounted VAD meets the requirements of EN 54-23 for the following: <ul style="list-style-type: none"> - Category 0 - Flash rate 0.5Hz - Synchronization 2. Meets the requirements of EN 54-3 for tones 1 to 51 listed under Approved Tones | 164t/08 |
| YBO-BSB2(BLK)/RL | Addressable Type A Base Sounder Beacon (Black Housing, Red LED) (YBO-R/3(RED), YBO-R/SCI(RED) and YBN-R/3(WHT), YBO-R/3(WHT) and YBN-R/3(SCI) Bases) Notes: 1. The ceiling mounted VAD meets the requirements of EN 54-23 for the following: <ul style="list-style-type: none"> - Category 0 - Flash rate 0.5Hz - Synchronization | 164t/09 |

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| Certified Product | Description | LPCB Ref.No. |
|-------------------|--|--------------|
| | 2. Meets the requirements of EN 54-3 for tones 1 to 51 listed under Approved Tones | |
| YBO-BSB2(BLK)/WL | Addressable Type A Base Sounder Beacon (Black Housing, White LED) YBO-R/3(RED), YBO-R/SCI(RED) and YBN-R/3(WHT), YBO-R/3(WHT) and YBN-R/3(SCI) Bases Notes: 1. The ceiling mounted VAD meets the requirements of EN 54-23 for the following: - Category 0 - Flash rate 0.5Hz - Synchronization 2. Meets the requirements of EN 54-3 for tones 1 to 51 listed under Approved Tones | 164t/10 |
| YBO-BSB3/RL | Intelligent Analogue Addressable Type A Base Sounder Beacon (Red LED) - Ivory Version (YBV-R/4 and YBN-R/3 bases) Notes: 1. The ceiling mounted VAD meets the requirements of EN 54-23 for the following: - Category O-1.2-2.0 - Flash rate 0.5Hz - Synchronization 2. Meets the requirements of EN 54-3 for all 56 tones as listed under approved tones | 164t/11 |
| YBO-BSB3(WHT)/RL | Intelligent Analogue Addressable Type A Base Sounder Beacon (Red LED) - White Version (YBV-R/4(WHT) and YBN-R/3(WHT) bases) Notes: 1. The ceiling mounted VAD meets the requirements of EN 54-23 for the following: - Category O-1.2-2.0 - Flash rate 0.5Hz - Synchronization 2. Meets the requirements of EN 54-3 for all 56 tones as listed under approved tones | 164t/11 |

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| Certified Product | Description | LPCB Ref.No. |
|-------------------|--|--------------|
| YBO-BSB3(BLK)/RL | Intelligent Analogue Addressable Type A Base Sounder Beacon (Red LED) - Black Version (YBV-R/4(BLK) and YBN-R/3(BLK) bases) Notes: 1. The ceiling mounted VAD meets the requirements of EN 54-23 for the following: - Category O-1.2-2.0 - Flash rate 0.5Hz - Synchronization 2. Meets the requirements of EN 54-3 for all 56 tones as listed under approved tones | 164t/11 |
| YBO-BSB3/WL | Intelligent Analogue Addressable Type A Base Sounder Beacon (White LED) - Ivory Version (YBV-R/4 and YBN-R/3 bases) Notes: 1. The ceiling mounted VAD meets the requirements of EN 54-23 for the following: - Category C-3-2.6 - Flash rate 0.5Hz - Synchronization 2. Meets the requirements of EN 54-3 for all 56 tones as listed under approved tones | 164t/12 |
| YBO-BSB3(WHT)/WL | Intelligent Analogue Addressable Type A Base Sounder Beacon (White LED) - White Version (YBV-R/4(WHT) and YBN-R/3(WHT) bases) Notes: 1. The ceiling mounted VAD meets the requirements of EN 54-23 for the following: - Category C-3-2.6 - Flash rate 0.5Hz - Synchronization 2. Meets the requirements of EN 54-3 for all 56 tones as listed under approved tones | 164t/12 |
| YBO-BSB3(BLK)/WL | Intelligent Analogue Addressable Type A Base Sounder Beacon (White LED) - Black Version (YBV-R/4(BLK) and YBN-R/3(BLK) bases) Notes: | 164t/12 |

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| Certified Product | Description | LPCB Ref.No. |
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| | 1. The ceiling mounted VAD meets the requirements of EN 54-23 for the following: - Category C-3-2.6 - Flash rate 0.5Hz - Synchronization 2. Meets the requirements of EN 54-3 for all 56 tones as listed under approved tones | |

Approved Tones

- 1 - 925 Hz : 250 ms / 628 Hz : 250 ms
- 2 - 925 Hz Continuous
- 3 - 628 Hz Continuous
- 4 - (French) 554 Hz : 100 ms / 440 Hz : 400 ms
- 5 - (Swedish) 660 Hz : 150 ms / Off : 150 ms
- 6 - 925 Hz : 150 ms / Off : 600 ms
- 7 - 670 Hz : 250 ms / 845 Hz : 370 ms
- 8 - Whoop 500 Hz - 1200 Hz : 3000 ms / Off : 500 ms
- 9 - 1200 Hz : 500 ms / 500 Hz : 500 ms
- 10 - 970 Hz : 500 ms / Off : 500 ms
- 11 - Sweep 800 Hz - 970 Hz over 140 ms (7 Hz)
- 12 - Sweep 800 Hz - 970 Hz over 1000 ms (1 Hz)
- 13 - Sweep 800 Hz - 970 Hz over 20 ms (50 Hz)
- 14 - Sweep 2400 Hz - 2850 Hz over 140 ms (7 Hz)
- 15 - Sweep 2400 Hz - 2850 Hz over 1000 ms (1 Hz)
- 16 - Sweep 300 Hz - 1200 Hz over 1000 ms (1 Hz)
- 17 - ISO8201 : 970 Hz : 500 ms / Off : 500 ms
- 18 - ISO8201 : 2850 Hz : 500 ms / Off : 500 ms
- 19 - 800 Hz : 250 ms / 970 Hz : 250 ms
- 20 - 2850 Hz Continuous
- 21 - 2400 Hz : 250 ms / 2850 Hz : 250 ms
- 22 - 800 Hz : 500 ms / 970 Hz : 500 ms

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- 23 - 2850 Hz : 500 ms / Off : 500 ms
- 24 - 925 Hz : 250 ms / Off : 1000 ms
- 25 - 970 Hz Continuous
- 26 - 660 Hz : 1800 ms / Off: 1800 ms
- 27 - 660 Hz : 6500 ms / Off : 13000 ms
- 28 - 660 Hz Continuous
- 29 - 554 Hz : 500 ms / 440 Hz : 500 ms
- 30 - 660 Hz : 500 ms / Off : 500 ms
- 31 - 2850 Hz : 150 ms / Off : 100 ms
- 32 - Sweep 2400 Hz - 2850 Hz over 20 ms (50 Hz)
- 33 - Sweep 800 Hz - 970 Hz over 500 ms (2 Hz)
- 34 - 988 Hz : 250 ms / 645 Hz : 250 ms
- 35 - 510 Hz : 250 ms / 610 Hz : 250 ms
- 36 - Sweep 800 Hz - 970 Hz over 110 ms (9 Hz)
- 37 - Sweep 800 Hz - 970 Hz over 330 ms (3 Hz)
- 38 - 845 Hz Continuous
- 39 - 970 Hz : 1000 ms / Off : 1000 ms
- 40 - 800 Hz : 150 ms / 970 Hz : 150 ms
- 41 - Sweep 2400 Hz - 2850 Hz over 110 ms (9 Hz)
- 42 - Sweep 2400 Hz - 2850 Hz over 330 ms (3 Hz)
- 43 - 2850 Hz : 1000 ms / Off : 1000 ms
- 44 - 2400 Hz : 150 ms / 2850 Hz : 150 ms
- 45 - (German) Whoop 1200 Hz - 500 Hz : 1000ms / Off : 10 ms
- 46 - 440 Hz : 600 ms / Off : 600 ms
- 47 - Whoop 500 Hz - 1200 Hz : 3750 ms / Off : 250 ms
- 48 - ISO8201 : 925 Hz, 628 Hz : 250 ms / Off 500 ms
- 49 - ISO8201 : Sweep 300 Hz - 1200 Hz : 500 ms / Off : 500 ms
- 50 - ISO8201 : Sweep 1200 Hz - 300 Hz : 500 ms / Off : 500 ms
- 51 - Whoop 500-1200 3500 ms / Off 500 ms
- 53 - Marine 1000Hz (1s on, 1s off)x7 + (7s on, 1s off)
- 54 - Whoop 1200 Hz - 500 Hz : 1000ms
- 55 - Ramp up 150 Hz - 1000 Hz : 10s. 1000 Hz 40s. Ramp down 1000 Hz - 150 Hz: 10s
- 56 - 725 Hz Continuous

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57 - 725 Hz : 700 ms / Off : 300 ms

Bases

| | |
|------------------|-----------------------------|
| YBN-R/3 | Standard Base |
| YBO-R/3(WHT) | Standard Base |
| YBO-R/3(RED) | Standard Base |
| YBN-R/3(WHT) | Standard Base |
| YBN-R/3(BLK) | Standard Base |
| YBO-R/SCI(RED) | Short Circuit Isolator Base |
| YBN-R/3(WHT)-SCI | Short Circuit Isolator Base |
| YBV-R/4 | Standard Base |
| YBV-R/4(WHT) | Standard Base |
| YBV-R/4(BLK) | Standard Base |

Accessories

| | |
|---------|---------------------|
| WS2-WPK | Weatherproofing kit |
|---------|---------------------|

Alternative Model No./Label

| LPCB Ref No. | Model No. | Alternative Model No./Label | Cross-listed company | Cross-Listed Co Cert./ Ref No. |
|--------------|------------------|-----------------------------|-------------------------------|--------------------------------|
| 164t/01 | CHQ-WSB2/WL | CHQ-WSB2/WL-HFP | Hochiki Europe (UK) Ltd - HFP | 164t |
| 164t/02 | CHQ-WSB2/RL | CHQ-WSB2/RL-HFP | Hochiki Europe (UK) Ltd - HFP | 164t |
| 164t/02 | CHQ-WSB2/RL | KS-WSNDB2-RL-RED | Kentec Electronics Limited | 164t-(cl-2) |
| 164t/03 | CHQ-WSB2(WHT)/WL | CHQ-WSB2(WHT)/WL-HFP | Hochiki Europe (UK) Ltd - HFP | 164t |
| 164t/04 | CHQ-WSB2(WHT)/RL | CHQ-WSB2(WHT)/RL-HFP | Hochiki Europe (UK) Ltd - HFP | 164t |
| 164t/07 | YBO-BSB2(WHT)/WL | YBO-BSB2(WHT)/WL-HFP | Hochiki Europe (UK) Ltd - HFP | 164t |
| 164t/08 | YBO-BSB2(WHT)/RL | YBO-BSB2(WHT)/RL-HFP | Hochiki Europe (UK) Ltd - HFP | 164t |

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| LPCB Ref No. | Model No. | Alternative Model No./Label | Cross-listed company | Cross-Listed Co Cert./ Ref No. |
|--------------|------------------|-----------------------------|-------------------------------|--------------------------------|
| 164t/08 | YBO-BSB2(WHT)/RL | KS-BSNDB2-RL | Kentec Electronics Limited | 164t-(cl-2) |
| 164t/11 | YBO-BSB3(WHT)/RL | YBO-BSB3(HFP)/RL | Hochiki Europe (UK) Ltd - HFP | 164t |
| 164t/12 | YBO-BSB3(WHT)/WL | YBO-BSB3(HFP)/WL | Hochiki Europe (UK) Ltd - HFP | 164t |

Bases

| LPCB Ref No. | Model No. | Alternative Model No./Label | Cross-listed company | Cross-Listed Co Cert./ Ref No. |
|--------------|------------------|-----------------------------|-------------------------------|--------------------------------|
| 164 | YBO-R/3(RED) | YBO-R/3(RED) | Hochiki Europe (UK) Ltd - HFP | 164 |
| 164 | YBO-R/3(WHT) | YBO-R/3(WHT) | Hochiki Europe (UK) Ltd - HFP | 164 |
| 164 | YBO-R/SCI(RED) | YBO-R/SCI(RED) | Hochiki Europe (UK) Ltd - HFP | 164 |
| 164 | YBN-R/3(WHT)-SCI | YBN-R/3(WHT)-SCI | Hochiki Europe (UK) Ltd - HFP | 164 |
| 164 | YBV-R/4 | YBV-R/4 | Hochiki Europe (UK) Ltd - HFP | 164 |
| 164 | YBV-R/4(WHT) | YBV-R/4(WHT) | Hochiki Europe (UK) Ltd - HFP | 164 |
| 164 | YBV-R/4(BLK) | YBV-R/4(BLK) | Hochiki Europe (UK) Ltd - HFP | 164 |
| 164 | YBO-R/3(RED) | KS-BASE-WS-RED | Kentec Electronics Limited | 164 |
| 164 | YBN-R/3(WHT) | KS-BASE-3T-SCI | Kentec Electronics Limited | 164 |

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