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Certificate of Product Approval

Certificate Number: 117p-(cl-1) Issue: 02

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

Multi Criteria Detectors
ACD-E
ACD-E(WHT)
ACD-E(HFP)
ACD-EN
ACD-EN(WHT)
(refer to Appendix for details)

Standards

EN 54-5:2000 + A1:2002
EN 54-7:2000 + A1:2002 + A2:2006
EN 54-26: 2015
EN 54-29: 2015
EN 54-30: 2015
EN 54-31: 2015
CEA 4021:2003

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P. Halligan	P Halligan	06 February 2018	20 December 2017

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Appendix to Certificate No: 117p-(cl-1) Issue: 02

Hochiki Europe (UK) Ltd

Certified Product	Description	LPCB Ref.No.
ACD-E	Intelligent Analogue Addressable Multi-Criteria Detector (Ivory colour) (YBN-R/3, YBN-R/3(WHT), YBN-R/3(SCI), YBN-R/3(WHT)-SCI, YBO-BS, YBO-BS(WHT), YBO-BSB2/WL, YBO-BSB2(WHT)/WL, YBO-BSB2/RL, YBO-BSB2(WHT)/RL bases) **Notes:** 1. Meets the requirements of EN 54-5, depending on the specific heat mode selected, at Classes A1, A1S, A1R, C, CS, CR 2. Meets the requirements of EN 54-7, depending on the specific smoke mode selected, at Sensitivity Settings 2% and 4.5% **Modes:** 9A* Smoke/Heat/Co Combine (Default Mode) 9B Co/Heat combine, Heat (RoR) 80* Smoke/Heat combine 81 Smoke/Heat combine 82* Smoke 83 Smoke 87 Heat (FT) Heat (RoR) (Fixed Level 1 – Class A1) 88 Heat (FT) Heat (RoR) (Fixed Level 2 – Class A1R) 89 Heat (FT) (Fixed Level 3 – Class A1S) 8A Heat (FT) Heat (RoR) (Fixed Level 4 – Class C) 8B Heat (FT) Heat (RoR) (Fixed Level 5 – Class CR) 8C Heat (FT) (Fixed Level 6 – Class CS) 8D Smoke, Co, Heat (FT), Heat (RoR), COHb 8E* Smoke/Heat Combine, COHb 8F* Smoke, COHb 93 Heat (FT), Heat (RoR), COHb (Fixed Level 1 – Class A1) +COHb 94 Heat (FT), Heat (RoR), COHb (Fixed Level 2 - Class A1R) +COHb 95 Heat (FT), COHb (Fixed Level 3 – Class A1S) +COHb 96 Heat (FT), Heat (RoR), COHb (Fixed Level 4 – Class C) +COHb 97 Heat (FT), Heat (RoR), COHb (Fixed Level 5 – Class CR) +COHb	117p/01

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Certified Product	Description	LPCB Ref.No.
	98 Heat (FT), COHb (Fixed Level 6 – Class CS) +COHb 99* Smoke/Heat/CO Combine, Smoke, CO/Heat Combine, Heat (FT), Heat (RoR), COHb 9C COHb 9D CO FT = Fixed Temperature RoR = Rate of Rise COHb = Carboxyhemoglobin * Reduced false alarm function	
ACD-E(WHT)	Intelligent Analogue Addressable Multi-Criteria Detector (White colour) (YBN-R/3, YBN-R/3(WHT), YBN-R/3(SCI), YBN-R/3(WHT)-SCI, YBO-BS, YBO-BS(WHT), YBO-BSB2/WL, YBO-BSB2(WHT)/WL, YBO-BSB2/RL, YBO-BSB2(WHT)/RL bases) **Notes:** 1. Meets the requirements of EN 54-5, depending on the specific heat mode selected, at Classes A1, A1S, A1R, C, CS, CR 2. Meets the requirements of EN 54-7, depending on the specific smoke mode selected, at Sensitivity Settings 2% and 4.5% **Modes:** 9A* Smoke/Heat/Co Combine (Default Mode) 9B Co/Heat combine, Heat (RoR) 80* Smoke/Heat combine 81 Smoke/Heat combine 82* Smoke 83 Smoke 87 Heat (FT) Heat (RoR) (Fixed Level 1 – Class A1) 88 Heat (FT) Heat (RoR) (Fixed Level 2 – Class A1R) 89 Heat (FT) (Fixed Level 3 – Class A1S) 8A Heat (FT) Heat (RoR) (Fixed Level 4 – Class C)	117p/01

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Certified Product	Description	LPCB Ref.No.
	8B Heat (FT) Heat (RoR) (Fixed Level 5 – Class CR) 8C Heat (FT) (Fixed Level 6 – Class CS) 8D Smoke, Co, Heat (FT), Heat (RoR), COHb 8E* Smoke/Heat Combine, COHb 8F* Smoke, COHb 93 Heat (FT), Heat (RoR), COHb (Fixed Level 1 – Class A1) +COHb 94 Heat (FT), Heat (RoR), COHb (Fixed Level 2 - Class A1R) +COHb 95 Heat (FT), COHb (Fixed Level 3 – Class A1S) +COHb 96 Heat (FT), Heat (RoR), COHb (Fixed Level 4 – Class C) +COHb 97 Heat (FT), Heat (RoR), COHb (Fixed Level 5 – Class CR) +COHb 98 Heat (FT), COHb (Fixed Level 6 – Class CS) +COHb 99* Smoke/Heat/CO Combine, Smoke, CO/Heat Combine, Heat (FT), Heat (RoR), COHb 9C COHb 9D CO FT = Fixed Temperature RoR = Rate of Rise COHb = Carboxyhemoglobin * Reduced false alarm function	
ACD-E(HFP)	Intelligent Analogue Addressable Multi-Criteria Detector (White colour) (YBN-R/3, YBN-R/3(WHT), YBN-R/3(SCI), YBN-R/3(WHT)-SCI, YBO-BS, YBO-BS(WHT), YBO-BSB2/WL, YBO-BSB2(WHT)/WL, YBO-BSB2/RL, YBO-BSB2(WHT)/RL bases) **Notes:** 1. Meets the requirements of EN 54-5, depending on the specific heat mode selected, at Classes A1, A1S, A1R, C, CS, CR 2. Meets the requirements of EN 54-7, depending on the specific smoke mode selected, at Sensitivity Settings 2% and 4.5% **Modes:**	117p/01

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Hochiki Europe (UK) Ltd

Certified Product	Description	LPCB Ref.No.
	9A* Smoke/Heat/Co Combine (Default Mode) 9B Co/Heat combine, Heat (RoR) 80* Smoke/Heat combine 81 Smoke/Heat combine 82* Smoke 83 Smoke 87 Heat (FT) Heat (RoR) (Fixed Level 1 – Class A1) 88 Heat (FT) Heat (RoR) (Fixed Level 2 – Class A1R) 89 Heat (FT) (Fixed Level 3 – Class A1S) 8A Heat (FT) Heat (RoR) (Fixed Level 4 – Class C) 8B Heat (FT) Heat (RoR) (Fixed Level 5 – Class CR) 8C Heat (FT) (Fixed Level 6 – Class CS) 8D Smoke, Co, Heat (FT), Heat (RoR), COHb 8E* Smoke/Heat Combine, COHb 8F* Smoke, COHb 93 Heat (FT), Heat (RoR), COHb (Fixed Level 1 – Class A1) +COHb 94 Heat (FT), Heat (RoR), COHb (Fixed Level 2 - Class A1R) +COHb 95 Heat (FT), COHb (Fixed Level 3 – Class A1S) +COHb 96 Heat (FT), Heat (RoR), COHb (Fixed Level 4 – Class C) +COHb 97 Heat (FT), Heat (RoR), COHb (Fixed Level 5 – Class CR) +COHb 98 Heat (FT), COHb (Fixed Level 6 – Class CS) +COHb 99* Smoke/Heat/CO Combine, Smoke, CO/Heat Combine, Heat (FT), Heat (RoR), COHb 9C COHb 9D CO FT = Fixed Temperature RoR = Rate of Rise COHb = Carboxyhemoglobin * Reduced false alarm function	
ACD-EN	Intelligent Analogue Addressable Multi-Criteria Detector (Ivory colour) (YBN-R/3, YBN-R/3(WHT), YBN-R/3(SCI), YBN-R/3(WHT)-SCI, YBO-BS,	117p/02

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UKAS PRODUCT CERTIFICATION 0007

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Certified Product	Description	LPCB Ref.No.
	YBO-BS(WHT), YBO-BSB2/WL, YBO-BSB2(WHT)/WL, YBO-BSB2/RL, YBO-BSB2(WHT)/RL bases) **Notes:** 1. Meets the requirements of EN 54-5, depending on the specific heat mode selected, at Classes A1, A1S, A1R, C, CS, CR 2. Meets the requirements of EN 54-7, depending on the specific smoke mode selected, at Sensitivity Settings 2% and 4.5% **Modes:** 9A* Smoke/Heat/Co Combine (Default Mode) 9B Co/Heat combine, Heat (RoR) 80* Smoke/Heat combine 81 Smoke/Heat combine 82* Smoke 83 Smoke 87 Heat (FT) Heat (RoR) (Fixed Level 1 – Class A1) 88 Heat (FT) Heat (RoR) (Fixed Level 2 – Class A1R) 89 Heat (FT) (Fixed Level 3 – Class A1S) 8A Heat (FT) Heat (RoR) (Fixed Level 4 – Class C) 8B Heat (FT) Heat (RoR) (Fixed Level 5 – Class CR) 8C Heat (FT) (Fixed Level 6 – Class CS) 8D Smoke, Co, Heat (FT), Heat (RoR), COHb 8E* Smoke/Heat Combine, COHb 8F* Smoke, COHb 93 Heat (FT), Heat (RoR), COHb (Fixed Level 1 – Class A1) +COHb 94 Heat (FT), Heat (RoR), COHb (Fixed Level 2 - Class A1R) +COHb 95 Heat (FT), COHb (Fixed Level 3 – Class A1S) +COHb 96 Heat (FT), Heat (RoR), COHb (Fixed Level 4 – Class C) +COHb 97 Heat (FT), Heat (RoR), COHb (Fixed Level 5 – Class CR) +COHb 98 Heat (FT), COHb (Fixed Level 6 – Class CS) +COHb	

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Certified Product	Description	LPCB Ref.No.
	99* Smoke/Heat/CO Combine, Smoke, CO/Heat Combine, Heat (FT), Heat (RoR), COHb 9C COHb 9D CO FT = Fixed Temperature RoR = Rate of Rise COHb = Carboxyhemoglobin * Reduced false alarm function	
ACD-EN(WHT)	Intelligent Analogue Addressable Multi-Criteria Detector (White colour) (YBN-R/3, YBN-R/3(WHT), YBN-R/3(SCI), YBN-R/3(WHT)-SCI, YBO-BS, YBO-BS(WHT), YBO-BSB2/WL, YBO-BSB2(WHT)/WL, YBO-BSB2/RL, YBO-BSB2(WHT)/RL bases) **Notes:** 1. Meets the requirements of EN 54-5, depending on the specific heat mode selected, at Classes A1, A1S, A1R, C, CS, CR 2. Meets the requirements of EN 54-7, depending on the specific smoke mode selected, at Sensitivity Settings 2% and 4.5% **Modes:** 9A* Smoke/Heat/Co Combine (Default Mode) 9B Co/Heat combine, Heat (RoR) 80* Smoke/Heat combine 81 Smoke/Heat combine 82* Smoke 83 Smoke 87 Heat (FT) Heat (RoR) (Fixed Level 1 – Class A1) 88 Heat (FT) Heat (RoR) (Fixed Level 2 – Class A1R) 89 Heat (FT) (Fixed Level 3 – Class A1S) 8A Heat (FT) Heat (RoR) (Fixed Level 4 – Class C) 8B Heat (FT) Heat (RoR) (Fixed Level 5 – Class CR)	117p/02

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	8C Heat (FT) (Fixed Level 6 – Class CS) 8D Smoke, Co, Heat (FT), Heat (RoR), COHb 8E* Smoke/Heat Combine, COHb 8F* Smoke, COHb 93 Heat (FT), Heat (RoR), COHb (Fixed Level 1 – Class A1) +COHb 94 Heat (FT), Heat (RoR), COHb (Fixed Level 2 - Class A1R) +COHb 95 Heat (FT), COHb (Fixed Level 3 – Class A1S) +COHb 96 Heat (FT), Heat (RoR), COHb (Fixed Level 4 – Class C) +COHb 97 Heat (FT), Heat (RoR), COHb (Fixed Level 5 – Class CR) +COHb 98 Heat (FT), COHb (Fixed Level 6 – Class CS) +COHb 99* Smoke/Heat/CO Combine, Smoke, CO/Heat Combine, Heat (FT), Heat (RoR), COHb 9C COHb 9D CO FT = Fixed Temperature RoR = Rate of Rise COHb = Carboxyhemoglobin * Reduced false alarm function	

Bases

YBN-R/3	Standard Analogue Mounting Base
YBN-R/3(WHT)	Standard Analogue Mounting Base
YBN-R/3(SCI)	Short Circuit Isolator Base
YBN-R/3(WHT)-SCI	Short Circuit Isolator Base
YBO-BS	Base Sounder
YBO-BS(WHT)	Base Sounder
YBO-BSB2/WL	Base Sounder Beacon (White LED)
YBO-BSB2(WHT)/WL	Base Sounder Beacon (White LED)
YBO-BSB2/RL	Base Sounder Beacon (Red LED)
YBO-BSB2(WHT)/RL	Base Sounder Beacon (Red LED)

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