

Certificate of Product Approval

Certificate Number: 010aw

Issue: 01

Apollo Fire Detectors Limited

36 Brookside Road
Havant, Hampshire
PO9 1JR
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 requirements of the standard(s) as detailed below:

Products:

Visual and Audible Warning Devices

45681-700

45681-701

45681-705

45681-706

45681-707

(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.



Martin McCullagh

12 December 2013

12 December 2013

Signed for LPCB

Verifier

Date of Issue

Date of First Issue



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Appendix to Certificate Number: 010aw Apollo Fire Detectors Limited

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Certified Products	Description	LPCB Ref. No.
45681-700	Discovery Sounder Visual Alarm Device Base (White) with Isolator (45681-292 and 45681-293 Caps) Notes: 1. The VAD is rated as open class: (Refer to installation guide). 2. The VAD operating voltage range 17-28V DC (24V nominal). 3. The VAD Light mode (light pattern details): 0.5Hz mode only. 4. The VAD includes a short circuit isolator. 5. The VAD is a Type A device and includes synchronisation. 6. Meets the requirements of EN 54-3: 2001 at the following tone settings: Tone 1 Apollo Evacuation Tone - 567Hz for 0.5s, 850Hz for 0.5s Tone 12 Alternating - (Hochiki & Fullen) - 925Hz for 0.25s, 626Hz for 0.25s Tone 14 Medium Sweep - 800Hz to 970Hz at 1 Hz Tone 3 Dutch Slow Whoop (sweep) - 500Hz - 1200Hz for 3.5s, off for 0.5s Tone 4 DIN Tone (sweep) - 1200Hz - 500Hz for 1s Tone 18 Swedish Fire Tone - 660 Hz, 150ms on, 150ms off Tone 0 Apollo Alert Tone - 1s off, 1s 850Hz Tone 11 Continuous (Hochiki & Fullen) - 925Hz Tone 13 Continuous - 970Hz Tone 2 Continuous - 850Hz Tone 17 Swedish all clear signal - Continuous - 660Hz 7. Approved for sounder volumes 2-7 only.	010aw/01
45681-701	Discovery Marine Sounder Visual Alarm Device Base (White) with Isolator (45681-292 and 45681-293 Caps) Notes: 1. The VAD is rated as open class: (Refer to installation guide). 2. The VAD operating voltage range 17-28V DC (24V nominal). 3. The VAD Light mode (light pattern details): 0.5Hz mode only. 4. The VAD includes a short circuit isolator. 5. The VAD is a Type A device and includes synchronisation. 6. Meets the requirements of EN 54-3: 2001 at the following tone settings: Tone 1 Apollo Evacuation Tone - 567Hz for 0.5s, 850Hz for 0.5s	010aw/02

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	Tone 12 Alternating - (Hochiki & Fulleon) - 925Hz for 0.25s, 626Hz for 0.25s Tone 14 Medium Sweep - 800Hz to 970Hz at 1 Hz Tone 3 Dutch Slow Whoop (sweep) - 500Hz - 1200Hz for 3.5s, off for 0.5s Tone 4 DIN Tone (sweep) - 1200Hz - 500Hz for 1s Tone 18 Swedish Fire Tone - 660 Hz, 150ms on, 150ms off Tone 0 Apollo Alert Tone - 1s off, 1s 850Hz Tone 11 Continuous (Hochiki & Fulleon) - 925Hz Tone 13 Continuous - 970Hz Tone 2 Continuous - 850Hz Tone 17 Swedish all clear signal - Continuous - 660Hz 7. Approved for sounder volumes 2-7 only.	
45681-705	XP95 Sounder Visual Alarm Device Base (White) with Isolator (45681-292 and 45681-293 Caps) Notes: - The VAD is rated as open class: (Refer to installation guide). - The VAD operating voltage range 17-28V DC (24V nominal). - The VAD Light mode (light pattern details): 0.5Hz mode only. - The VAD includes a short circuit isolator. - The VAD is a Type A device and includes synchronisation. - Meets the requirements of EN 54-3: 2001 at the following tone settings: - Tone 1 Apollo Evacuation Tone - 567Hz for 0.5s, 850Hz off for 0.5s - Tone 0 Apollo Alert Tone - 1s off, 1s 850Hz - Approved for sounder volumes 2-7 only.	010aw/03
45681-706	XP95 Sounder Visual Alarm Device Base (White) Slow Whoop with Isolator (45681-292 and 45681-293 Caps) Notes: - The VAD is rated as open class: (Refer to installation guide). - The VAD operating voltage range 17-28V DC (24V nominal). - The VAD Light mode (light pattern details): 0.5Hz mode only. - The VAD includes a short circuit isolator. - The VAD is a Type A device and includes synchronisation.	010aw/04

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	6. Meets the requirements of EN 54-3: 2001 at the following tone settings: Tone 2 Continuous - 850Hz Tone 3 Dutch Slow Whoop (sweep) - 500Hz - 1200Hz for 3.5s0Hz, 0.5s off 7. Approved for sounder volumes 2-7 only	
45681-707	XP95 Sounder Visual Alarm Device Base (White) DIN with Isolator (45681-292 and 45681-293 Caps) Notes: - The VAD is rated as open class: (Refer to installation guide). - The VAD operating voltage range 17-28V DC (24V nominal). - The VAD Light mode (light pattern details): 0.5Hz mode only. - The VAD includes a short circuit isolator. - The VAD is a Type A device and includes synchronisation. - Meets the requirements of EN 54-3: 2001 at the following tone settings: Tone 4 DIN Tone (sweep) - 1200Hz - 500Hz for 1s Tone 2 Continuous - 850Hz - Approved for sounder volumes 2-7 only.	010aw/05

Additional Information:

Accessories:

45681-292	White Cap (Lockable)
45681-293	Red Cap (Lockable)

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