

## Certificate of Product Approval

Certificate Number: 1400b

Issue: 01

### Firetrace International LLC

Suite 2  
8435 N. 90th Street  
Scottsdale  
Arizona  
85258  
USA

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) detailed below:

#### Products

**Direct Low Pressure (DLP) Application Systems**  
(refer to attached appendix for details)

#### Standards

**LPS® 1666 : Issue 1.0**

Requirements and test procedures for the LPCB approval of direct low pressure (DLP) application fixed fire suppression systems.

This certificate and appendix is maintained and held in force through regular surveillance activities



Signed for LPCB

Sarah Colwell  
Verifier

16 January 2017  
Date of Issue

16 January 2017  
Date of First Issue



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## Appendix to Certificate No: 1400b Firetrace International LLC

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### Firetrace International LLC HFC-227ea Direct Low Pressure (DLP) Application Fixed Fire Suppression Systems

Product Name	Container Size	Description	Detector Tube	Ventilation (Enclosed or Open Vents)	Air Flow (Forced / Natural)	LPCB Ref. No.
920301	3 lb	3 lb HFC-227ea DLP system	P/N: 200005 6mm o/d	Enclosed only	None	1400b/01
920301	3 lb	3 lb HFC-227ea DLP system	P/N: 200007 8mm o/d	Enclosed only	None	1400b/02
898004	1 kg	1 kg HFC-227ea DLP system	P/N: 200005 6mm o/d	Enclosed only	None	1400b/03
898004	1 kg	1 kg HFC-227ea DLP system	P/N: 200007 8mm o/d	Enclosed only	None	1400b/04
920601	6 lb	6 lb HFC-227ea DLP system	P/N: 200005 6mm o/d	Enclosed only	None	1400b/05
920601	6 lb	6 lb HFC-227ea DLP system	P/N: 200007 8mm o/d	Enclosed only	None	1400b/06
898005	2 kg	2 kg HFC-227ea DLP system	P/N: 200005 6mm o/d	Enclosed only	None	1400b/07
898005	2 kg	2 kg HFC-227ea DLP system	P/N: 200007 8mm o/d	Enclosed only	None	1400b/08
921201	12 lb	12 lb HFC-227ea DLP system	P/N: 200005 6mm o/d	Enclosed only	None	1400b/09
921201	12 lb	12 lb HFC-227ea DLP system	P/N: 200007 8mm o/d	Enclosed only	None	1400b/10
898006	5 kg	5 kg HFC-227ea DLP system	P/N: 200005 6mm o/d	Enclosed only	None	1400b/11
898006	5 kg	5 kg HFC-227ea DLP system	P/N: 200007 8mm o/d	Enclosed only	None	1400b/12

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*S. A. Colwell*

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### Notes:

1. Firetrace International LLC HFC-227ea DLP Systems shall be configured, installed, serviced and maintained in accordance with Firetrace International LLC System Manual 800023-006 – 12/01/2017.
2. These systems are intended solely to provide enhanced local fire protection. They are not intended for use as whole room or building fire protection systems.
3. The systems use a single method for detection and delivery of the extinguishing agent to the activation point.
  - System operation pressure: 150 psig @ 70°F (10.3 bar @ 21.1°C).
  - System operation temperature range: -20°C to +60°C.

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*S. A. Colwell*

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