

Certificate of Product Approval

Certificate Number: 1400a

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

S.A. Colwell

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: 1400a Firetrace International LLC

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Firetrace International LLC 3M™ Novec™ 1230 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. |
|--------------|----------------|-------------------------------|------------------------|--------------------------------------|-----------------------------|---------------|
| 920205 | 2.5 lb | 2.5 lb Novec™ 1230 DLP system | P/N: 200005 6mm o/d | Enclosed only | None | 1400a/01 |
| 920205 | 2.5 lb | 2.5 lb Novec™ 1230 DLP system | P/N: 200007 8mm o/d | Enclosed only | None | 1400a/02 |
| 898001 | 1 kg | 1 kg Novec™ 1230 DLP system | P/N: 200005 6mm o/d | Enclosed only | None | 1400a/03 |
| 898001 | 1 kg | 1 kg Novec™ 1230 DLP system | P/N: 200007 8mm o/d | Enclosed only | None | 1400a/04 |
| 920505 | 5 lb | 5 lb Novec™ 1230 DLP system | P/N: 200005 6mm o/d | Enclosed only | None | 1400a/05 |
| 920505 | 5 lb | 5 lb Novec™ 1230 DLP system | P/N: 200007 8mm o/d | Enclosed only | None | 1400a/06 |
| 898002 | 2 kg | 2 kg Novec™ 1230 DLP system | P/N: 200005 6mm o/d | Enclosed only | None | 1400a/07 |
| 898002 | 2 kg | 2 kg Novec™ 1230 DLP system | P/N: 200007 8mm o/d | Enclosed only | None | 1400a/08 |
| 921005 | 10 lb | 10 lb Novec™ 1230 DLP system | P/N: 200005 6mm o/d | Enclosed only | None | 1400a/09 |
| 921005 | 10 lb | 10 lb Novec™ 1230 DLP system | P/N: 200007 8mm o/d | Enclosed only | None | 1400a/10 |
| 898003 | 5 kg | 5 kg Novec™ 1230 DLP system | P/N: 200005 6mm o/d | Enclosed only | None | 1400a/11 |
| 898003 | 5 kg | 5 kg Novec™ 1230 DLP system | P/N: 200007 8mm o/d | Enclosed only | None | 1400a/12 |

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Notes:

1. Firetrace International LLC 3M™ Novec™ 1230 DLP Systems shall be configured, installed, serviced and maintained in accordance with Firetrace International LLC System Manual 800035-003 – 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: 195 psig @ 70°F (13.5 bar @ 21.1°C).
 - System operation temperature range: -20°C to +60°C.

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