Product Alert: Product Safety Notification Related to a Product Recall

November 12, 2020

Type of Notification: Product Safety Notification

Micropack (Engineering) Ltd has notified FM Approvals of a potential safety concern involving their Model FDS300 and FDS301 Optical Flame Detectors and FS301 Flame Simulators manufactured between July 2012 and July 2019.

Company Identity:	Micropack (Engineering) Ltd
Address:	School Hill, Portlethen, Aberdeen, AB12 4RR, United Kingdom
Contact Information:	*Customer Support:* Phone Number +44 1224 784055. Email Info@micropack.co.uk
Product Identity:	Micropack (Engineering) Ltd Models FDS300 and FDS301 Optical Flame Detectors and Model FS301 Flame Simulator Consilium Marine & Safety AB Models CD-F 300 and CD-F 301 Optical Flame Detectors and Model CD-FS 301 Flame Simulator Dräger Safety UK Ltd Models Flame 3000 and Flame 5000 Optical Flame Detectors and Model FS5000 Flame Simulator
Description:	The Models FDS300, CD-F 300 and Flame 3000 Optical Flame Detectors are monochrome imaging-based flame detector. The Models FDS301, CD-F 301 and Flame 5000 Optical Flame Detectors are color imaging-based flame detector. The Models FS301, CD-FS 301 and FS5000 Flame Simulators are used to test the correct operation of the Flame Detectors.
Nameplate Data:	**Micropack (Engineering) Ltd Models FDS300 and FDS301** **Consilium Marine & Safety AB Models CD-F 300 and CD-F 301** **Dräger Safety UK Ltd Models Flame 3000 and Flame 5000** **Flame Detectors**

US
Class I, Division 1, Groups B, C and D T4
Class I, Zone 1, AEx db IIC T4
Type 4X / IP66
Ta = -60°C to +85°C (-76°F to +185°F)

Canada
Class I, Division 1, Groups B, C and D T4
Class I, Zone 1, Ex db IIC T4
Type 4X / IP66
Ta = -60°C to +85°C (-76°F to +185°F)

ATEX
II 2 G Ex db IIC T4 Ta=-60°C to +85ºC IP66

IECEx
Ex db IIC T4 Ta=-60°C to +85ºC IP66

Micropack (Engineering) Ltd Model FS301
Consilium Marine & Safety AB Model CD-FS 301
Dräger Safety UK Ltd Model FS5000 Flame Simulators

ATEX
II 2 (2) G Ex db [op is T6 Gb] IIC T6 Gb Ta = -10°C to +50°C IP66

FM Approval Status: FM Approved

Hazard Involved: Micropack (Engineering) Ltd shipped non-conforming Micropack (Engineering) Ltd Models FDS300 and FDS301 Optical Flame Detectors, Consilium Marine & Safety AB Models CD-F 300 and CD-F 301 Optical Flame Detectors, Dräger Safety UK Ltd Models Flame 3000 and Flame 5000 Optical Flame Detectors, Micropack (Engineering) Ltd Model FS301 Flame Simulator, Consilium Marine & Safety AB Model CD-FS 301 Flame Simulator, and Dräger Safety UK Ltd Model FS5000 Flame Simulators manufactured between July 2012 and July 2019.

Due to a dimensional issue with the glass window in the assembly of the flame detectors and flame simulator, the resulting flame-path gaps do not meet the requirements of IEC 60079-1 for IIC applications and FM 3615 Class 1 DIV 1 Groups B, C and D applications. This is a safety related non-conformance that could present a dangerous situation in certain applications of the product.

Micropack (Engineering) Ltd, Consilium Marine & Safety AB and Dräger Safety UK Ltd are reaching out to all users to notify them of this situation (see attached Product Safety Notifications).

If you suspect you are in possession of affected product bearing the FM Approvals certification marking, please process in accordance with the attached notification. For additional assistance, please contact:

Antonio L. Pires
FM Approvals, Quality Department
Norwood, MA, USA
+1 (1)781 255 4825
Email: Antonio.pires@fmapprovals.com

MICROPACK
MICROPACK (Engineering) Ltd.
Fire Training Centre, Schoolhill,
Portlethen, Aberdeen, AB12 4RR
Tel: +44 (0) 1224 784055
Fax: +44 (0) 1224 784056
Web: www.micropack.co.uk

October 12th, 2020

To Whom it may concern.

Product Safety Notification

Contact Information: Micropack (Engineering) Ltd. Fire Training Centre, School Hill, Portlethen, Aberdeen, AB12 4RR, United Kingdom. Phone Number +44 1224 784055. Email Info@micropack.co.uk

Product Identity: FS301, FDS300 and FDS301.

Description: Optical Flame Detectors and Test Flame Simulator.

Hazard Involved: Micropack (Engineering) Ltd. is issuing a safety related product alert involving FM Approved FDS301, FDS300 Optical Flame Detectors and FS301 Flame Simulator manufactured between July 2012 and July 2019.

Due to a dimensional issue with the glass window in the assembly, the resulting flame path does not meet the requirements of ATEX/IECEx for IIC applications and FM 3615 Class 1 DIV 1 Groups B, C and D applications. The devices are compliant with IEC 60079-1 for IIA applications.

Micropack (Engineering) Ltd. has tested units with the worst-case gap and we have determined that the window assembly is safe for ATEX/IECEx Group IIB and IIA, and US/ Canada Division 1 Groups C and D applications. This non-conformance could present a hazard if installed/ used in ATEX/IECEx Groups IIC, IIB+H2, or US/ Canada Division 1 Groups A and B applications as marked on the product label.

If your facility has FDS300, FDS301 Optical Flame Detectors or Model FS301 Flame Simulators manufactured between July 2012 and July 2019 installed or used in ATEX/IECEx Groups IIC, IIB+H2, or US/ Canada Division 1 Groups A and B applications please contact Micropack (Engineering) Ltd for a suitable replacement part.

Dräger

Dräger Safety AG & Co. KGaA, Revalstraße 1, 23560 Lübeck

To whom it may concern.

Product Safety Notification November 3, 2020

To our valued customer,

During the course of routine regulatory reviews, it was found that the glass window does not meet required dimensions.

Product Identity: Dräger Flame 3000, Dräger Flame 5000, Dräger Flame Simulator 5000

Description: Optical Flame Detectors and Test Flame Simulator.

Hazard Involved: Dräger is issuing a safety related product alert involving FM Approved Dräger Flame 3000 and Dräger Flame 5000 Optical Flame Detectors as well as Dräger Flame Simulator 5000 manufactured between July 2012 and July 2019.

Due to a dimensional issue with the glass window in the assembly, the resulting flame path does not meet the requirements of ATEX/IECEx for IIC applications and FM 3615 Class 1 Div. 1 Groups B, C and D applications. The devices are compliant with IEC 60079-1 for IIA applications.

FM Approvals together with the original equipment manufacturer has tested units with the worst-case gap and has determined that the window assembly is safe for ATEX/IECEx Group IIB and IIA, and US/Canada Class 1 Div. 1 Groups C and D applications. This non-conformance could present an explosion hazard if installed and used in ATEX/IECEx Groups IIC, IIB+H2, or US/Canada Class 1 Div. 1 Groups A and B applications as marked on the product label. If installed and used in such

Dräger Safety AG & Co. KGaA
Revalstraße 1
23560 Lübeck, Germany
Tel +49 451 882-0
Fax +49 451 882-2080
info@draeger.com
www.draeger.com
VAT no. DE812128834
WEEE reg. no. DE13636693

Bank details:
Commerzbank AG, Lübeck
IBAN DE29 2304 0022 0014 6803 00
BIC COBADEFF230
Deutsche Bank AG, Lübeck
IBAN DE75 2307 0710 0030 2109 00
BIC DEUTDEHH222

Registered office: Lübeck
Commercial register:
Local court Lübeck HRB 4097 HL

General partner:
Dräger Safety Verwaltungs AG
Registered office: Lübeck
Commercial register:
Local court Lübeck HRB 5036 HL

Chairman of the supervisory board for
Dräger Safety AG & Co. KGaA and
Dräger Safety Verwaltungs AG:
Stefan Lauer

Executive board:
Stefan Dräger (chairman)
Rainer Klug
Gert-Hartwig Lescow
Dr. Reiner Pleiss
Anton Schrofner

environments (atmosphere containing H2 or acetylene), gas that might have diffused into the device can possibly become a source of ignition of the external potentially explosive atmosphere. In this case, flames propagating through the flame paths would not be cooled sufficiently and the explosive atmosphere surrounding the device would be ignited.

If your facility has Dräger Flame 3000 or Dräger Flame 5000 Optical Flame Detectors or Dräger Flame Simulator 5000 manufactured between July 2012 and July 2019 installed or used in ATEX/IECEx Groups IIC, IIB+H2, or US/Canada Class 1 Div. 1 Groups A and B applications please contact your local Dräger representative for a suitable replacement part with mentioning the product type, serial number and year of manufacture.

(product label applies for all types and is for illustration purposes only)

Our goal is to resolve this issue as efficiently as possible. We sincerely apologize for this situation and the inconvenience this may have caused. Your safety and satisfaction with our products are most important to us.

If you have any questions or inquiries, please do not hesitate to contact your local representative. Your cooperation is much appreciated.

Kind regards,

Robert Otta

Digital unterschrieben von Robert Otta
Datum: 2020.11.03 11:25:50 +01'00'

Robert F. Otta
Dräger Safety AG & Co. KGaA
Global Head of Quality Management & Quality Assurance

Christian Hagendorf
Dräger Safety AG & Co. KGaA
Global Product Manager
Product Management Fixed Gas Detection Systems

On behalf of
Barry Wade
Draeger Safety UK Ltd.
Director of Quality & Regulatory Affairs

Technical bulletin

x	Internal	x	Marine	x	Fire Detection
x	External		Transport		Gas Detection
			Industry		
		x	Oil & Gas		

Product Safety Notification CD-F-300, CD-F-301, and CD-FS-301

To Whom it may concern.

Contact Information: After Sales Department, spares@consillium.se, +46(0)317107700
Product Identity: CD-F-300, CD-F-301, and CD-FS-301
Description: Optical Flame Detectors and Test Flame Simulator.
Hazard Involved: Consilium Marine & Safety AB is issuing a safety related product alert involving FM Approved CD-F-300, CD-F-301 Optical Flame Detectors and CD-FS-301 Flame Simulator manufactured between July 2012 and July 2019.

Due to a dimensional issue with the glass window in the assembly, the resulting flame path does not meet the requirements of ATEX/IECEx for IIC applications and FM 3615 Class 1 DIV 1 Groups B, C and D applications. The devices are compliant with IEC 60079-1 for IIA applications.

The manufacturer Micropack (Engineering) Ltd. has tested units with the worst-case gap and have determined that the window assembly is safe for ATEX/IECEx Group IIB and IIA, and US/ Canada Division 1 Groups C and D applications. This non-conformance could present a hazard if installed/ used in ATEX/IECEx Groups IIC, IIB+H2, or US/ Canada Division 1 Groups A and B applications as marked on the product label.

If your facility has CD-F-300, CD-F-301 Optical Flame Detectors or Model CD-FS-301 Flame Simulators manufactured between July 2012 and July 2019 **and** are installed or used in ATEX/IECEx Groups IIC, IIB+H2, or US/ Canada Division 1 Groups A and B applications please contact Consilium Marine & Safety AB, After sales department for a suitable replacement part.

For further information please contact: After Sales Department, spares@consillium.se, +46(0)317107700