



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx PRE 17.0013X

Issue No: 0

Certificate history:

Issue No. 0 (2017-12-04)

Status: **Current**

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Date of Issue: **2017-12-04**

Applicant: **Toptech Systems, Inc.**
1124 Florida Central Pkwy
Longwood, FL, 32750
United States of America

Equipment: **RCU II ExL or MultiLoad II ExL**

Optional accessory:

Type of Protection: **Flameproof (Ex db) and Intrinsic Safety (Ex ib)**

Marking:

Ex db ib IIB T4

$-40^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$

$U_m = 250\text{V}$

*Approved for issue on behalf of the IECEx
Certification Body:*

Asle Kaastad

Position:

Certification Manager

*Signature:
(for printed version)*

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](#).

Certificate issued by:

DNV GL Nemko Presafe AS
Veritasveien 3
1363 Høvik
Norway





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Manufacturer: **Toptech Systems, Inc.**
1124 Florida Central Pkwy
Longwood, FL, 32750
United States of America

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[NO/DNV/ExTR08.0012/00](#) [NO/PRE/ExTR17.0014/00](#) [US/UL/ExTR17.0092/00](#)

Quality Assessment Report:

[NO/PRE/QAR15.0028/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The RCU II ExL and MultiLoad II ExL are user interface units for use in hazardous locations. With the exception of the external keypad, all electronics are contained completely within an Ex db enclosure. The external keypad is Ex ib, and is connected to an integral barrier circuit via Ex db certified line bushing.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- 1) Certain flameproof joints are other than the minimum or maximum dimensions given in Clause 5 of IEC 60079-1. Please consult Toptech Systems if dimensional information is needed.
- 2) Maximum specified gap of the flanged cover joint is 0.08mm.
- 3) Cover fasteners are A2-70 or better (700 N/mm²).
- 4) Threaded entries shall be fitted with suitable Ex d certified cable glands or blanking plugs. Where thread adapters are used, they shall be Ex d certified and shall not be used in conjunction with blanking elements.

Routine Testing:

- 1) All transformers used in the integral barrier circuit shall be subjected to the routine testing prescribed in Clause 11.2 of IEC 60079-11:2011.