



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 DNV 09.0002X Issue No: 2 Certificate history:
Status: **Current** Page 1 of 4 [Issue No. 2 \(2013-05-23\)](#)
Date of Issue: **2013-05-23** [Issue No. 1 \(2011-04-08\)](#)
[Issue No. 0 \(2011-03-03\)](#)
Applicant: **Toptech Systems Inc.**
1124 Florida Central Pkwy
Longwood, FL 32750
United States of America
Electrical Apparatus: **Flameproof Enclosure RCU II-ExL and MultiLoad II-ExL**
Optional accessory:
Type of Protection: **Flameproof 'd' and Intrinsic Safety 'i'**
Marking: Ex d ib IIB T4 Gb IP65
-40° C < Ta < +60° C
Um = 250 V

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

Bjørn Spongsveen

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
Det Norske Veritas AS
Veritasveien 1
1322 Hovik
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 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6
IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

*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/DNV/ExTR08.0012/01 NO/DNV/ExTR08.0012/02
NO/DNV/ExTR08.0012/03

Quality Assessment Report:

NO/DNV/QAR06.0005/03



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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. The electronics are housed in an Ex-d enclosure, and an intrinsic safety barrier board in the Ex-d box provides an intrinsically safe interface to a keypad located on the outside the enclosure.

Enclosure is fitted with an externally actuated magnetic switch.

CONDITIONS OF CERTIFICATION: YES as shown below:

- 1) Ambient temperature range is $-40^{\circ}\text{C} < T_{\text{amb}} < +60^{\circ}\text{C}$
- 2) Maximum specified gap of flange joint is 0.08 mm
- 3) Threaded entries shall be fitted with suitable IECEx certified Ex d cable glands or blanking plugs. Where thread adapters are used, they shall be IECEx certified Ex d and shall not be used in conjunction with blanking elements.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1 - Update address of Applicant and Manufacturer.

Issue 2 - Update to latest revisions of standards and incorporate minor design changes not impacting safety.