

EU-Type Examination Certificate

- [2] EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU
- [3] EU-Type Examination Certificate Number: Presafe 17 ATEX 9557X Issue 0
- [4] Product: RCU II ExL or MutliLoad II ExL
- [5] Manufacturer: Toptech Systems, Inc.
- [6] Address: 1124 Florida Central Pkwy
Longwood, FL, 32750, USA
- [7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV GL Nemko Presafe AS, notified body number 2460, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in confidential reports listed in section 16.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012/A11:2013, EN 60079-1:2014, and EN 60079-11-2012
- [10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- [11] This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- [12] The marking of the product shall include the following:



II 2 G

Ex db ib IIB T4

-40°C ≤ Ta ≤ +60°C

Date of issue: 2017-12-04

Asle Kaastad
For DNV GL Nemko Presafe AS

The Certificate has been digitally signed.
See www.presafe.com/digital_signatures for more info



This certificate may only be reproduced in its entirety and without any change, schedule included.

[13] Schedule

[14] EU-TYPE EXAMINATION CERTIFICATE No.: Presafe 17 ATEX 9557X Issue 0

[15] Description of Product

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

Type Designation

RCU II ExL
MutliLoad II ExL

Electrical Data

$U_m = 250V$

Ambient Temperature Limits

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

Routine Tests

All transformers used in the integral barrier circuit shall be subjected to the routine testing prescribed in Clause 11.2 of EN 60079-11:2012.

[16] Report No.: 2017-3220, Rev 00
Project No.: PRJC-280693-2010-PRC-USA

[17] Specific Conditions of Use

1. Certain flameproof joints are other than the minimum or maximum dimensions given in Clause 5 of EN 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 elements. Where thread adapters are used, they shall be Ex d certified and shall not be used in conjunction with blanking elements.

[18] Essential Health and Safety Requirements

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item 9

[19] Drawings and documents

Number	Title	Rev.	Date
1403-A072	Assembly - RCU II ExL Base	1.2	2017-11-01
1403-A073	Assembly - RCU II ExL Cover	1.1	2017-11-10
1403-A074	RCU II ExL Unit Assembly	1.1	2008-09-02
1403-A670	Assembly - RCU II ExL Numeric Keypad	1.1	2017-11-07
1403-A671	Assembly - EXL Capacitive Keypad	1.1	2017-10-21
1403-A770	RCU II Barrier Assembly Drawing	2.0	2017-11-29
1403-C770	RCU2 Barrier PCBA Design	2.0	2017-11-06
1403-P038	RCU2 Barrier Bushing-PCBA Partition	1.0	2017-01-23
1403-P070	RCU II ExL Base	1.2	2017-11-06
1403-P071	RCU II ExL Cover	1.2	2017-11-06
1403-P075	RCU II ExL Display Bracket	1.1	2017-11-02
1403-P077	MultiloaddII ExL Regulatory Label	1.2	2017-11-07
1403-S670	Schematic - RCU II ExL Numeric Keypad	1.2	2017-11-07
1403-S671	Schematic – EXL Capacitive Keypad	1.2	2017-11-07
1403-S770	Schematic – RCU II Barrier	2.0	2017-11-29

[20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue (replaces DNV-2007-OSL-ATEX-4076X)	2017-12-04	2017-3220, Rev 00

END OF CERTIFICATE