

[1] **EC-TYPE EXAMINATION CERTIFICATE**



[2] **Equipment or Protective System intended for use  
in Potentially Explosive Atmospheres  
Directive 94/9/EC**

[3] **EC-Type Examination Certificate Number: DEMKO 06 ATEX 0619833X**

[4] **Equipment or Protective System: Process Controller, type MultiLoad II SMP**

[5] **Manufacturer: Toptech Systems Inc.**

[6] **Address: 280 Hunt Park Cove, Longwood, FL 32750, USA**

[7] This equipment or protective system and any acceptable variation there to is specified in the schedule to this certificate and the documents therein referred to.

[8] UL International Demko A/S, notified body number 0539 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. 06NK19833

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 60079-0: 2006                      EN 60079-1: 2004                      EN 50020: 2002**

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

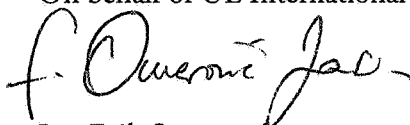
[11] This EC-Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by the certificate.

[12] The marking of the equipment or protective system shall include the following:

 **II 2 G Ex d ib IIB T4**

On behalf of UL International Demko A/S

Herlev, 2007-05-15



Jan-Erik Storgaard  
Certification Manager

**UL International Demko A/S**

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Certificate: 06 ATEX 0619833X

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# Schedule

[14]

## EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 06 ATEX 0619833X

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### Description of Equipment or protective system

The process controller, type MultiLoad II SMP, is designed for data entry and driver/operator interaction at various locations within a terminal facility, as well as controlling entry and exit gates, load rack monitoring, and numerous other data collection and control functions. This is accomplished by using the keypad to enter a numerical number to allow access. The overall apparatus utilizes the flameproof protection method "d" and the keypad utilizes the intrinsic safety protection method "ib".

Type nomenclature: "MultiLoad II SMP"

The ambient temperature range is -40 °C to +60°C.

### Electrical data

85-250 VAC, 47-63 Hz, 300mA – 150mA

### Installation instructions

For ambient temperatures below -10 °C use field wiring suitable for both minimum and maximum ambient temperature.

If there are unused holes, blanking elements satisfying the flameproof "d" method of protection must be used. Blanking elements must be removable with the aide of a tool, ATEX certified, suitable for Gas Group IIB and suitable for an ambient temperature range of -40°C to + 60°C.

### Routine tests

Routine tests according to EN 60079-1:2004 are not required, as the enclosure has been successfully tested at four times the reference pressure.

[16]

### Report No.

Project Report No.: 06NK19833 (Hazardous Location Testing)

Drawings:

Description:	Drawing No.:	Rev. Level:	Date:
MULTILOAD II SMP UNIT ASSEMBLY	1410-A076	1.0	11-03-2006
Multiload II SMP Cover Assembly	1410-A073	1.0	04-16-2007
Multiload II SMP Base Assembly	1410-A074	1.0	04-16-2007
Multiload II SMP Cover Details	1410-P071	1.0	01-05-2007
Multiload II SMP Base Details	1410-P070	1.0	03-22-2007
Window Bracket	1410-A077	1.0	11-03-2006
Regulatory Label	1410-P074	1.1	01-31-2007
Multiload II SMP Installation Instructions	1400-D003	-	04-12-2007

### UL International Demko A/S

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Report: 06NK19833

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## Schedule

[14]

### EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 06 ATEX 0619833X

Drawings (continued):

Description:	Drawing No.:	Rev. Level:	Date:
Barrier Board – Schematic	1400-S770	1.1	12-07-2006
Barrier Board – Bill of Materials	1400-B770	1.1	12-07-2006
Barrier Board – Trace Layout	1400-C770	1.1	12-11-2006
Barrier Board – Component Layout	1400-A770	1.1	12-11-2006
Barrier Cover	1400-P072	1.0	12-08-2006
SPI Keypad	1410-A670	1.0	12-07-2006
Multiload II SMP Bill of Materials	1410-B070	-	11-03-2006

- [17] Special conditions for safe use:  
If there are unused holes, blanking elements satisfying the flameproof “d” method of protection must be used. Blanking elements must be removable with the aide of a tool, ATEX certified, suitable for Gas Group IIB and suitable for an ambient temperature range of -40°C to + 60°C.

- [18] Essential Health and Safety Requirements  
Concerning ESR this Schedule verifies compliance with the Ex standards only. The manufacturer's Declaration of Conformity declares compliance with other relevant Directives.

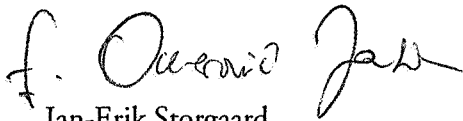
Additional information

The MultiLoad II SMP has in addition passed the tests for Ingress Protection to IP 65 in accordance with EN60529: 1991/A1 2001.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in ANNEX III to Directive 94/9/EC of the European Parliament and the Council of 23 March 1994.

On behalf of UL International Demko A/S

Herlev, 2007-05-15

  
Jan-Erik Storgaard  
Certification Manager

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