

Certificate of Conformity

No: RML 17ATEX4129X

Product: **Mobrey™ 2468 Hydrastep Controller**
Manufacturer: **Delta Mobrey Limited**
Address: **158 Edinburgh Avenue, Slough, Berkshire, SL1 4UE**

This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

Delta Mobrey Ltd in accordance with Article 13 1.c) of European Directive 2014/34/EU (Equipment and protective systems intended for use in potentially explosive atmospheres) of the European Parliament and of the Council, dated 26 February 2014, has assessed this product and found it 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 test report number TD(A)0004.


Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

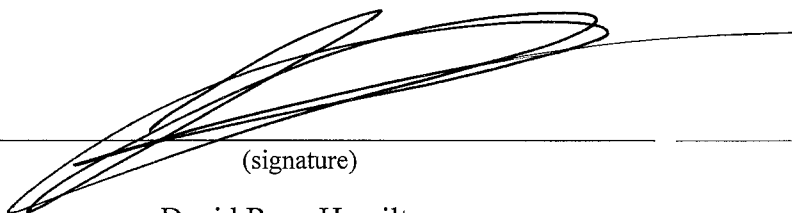
EN 60079-0:2012+A11:2013 **EN 60079-15:2010**

If the "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.

This 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

The markings of this product shall include the following:

 **II 3 G Ex nA IIC T4 Gc**
-20°C ≤ Ta ≤ +65°C



(signature)

David Ross-Hamilton

(name)

Global Approvals Manager

(function)

2-Sep-19; Slough, GB

(date of issue & place)

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Schedule

Description

The Mobrey 2468 Hydrastep controller is part of the Hydrastep Electronic Gauging System for the monitoring and control of steam boiler water level. The controller consists of an input/power supply board and a control/display board which indicates output water level and alarm. There is the option for relay outputs and duplication of the input/power supply and relay boards to facilitate redundancy of control. The controller monitors the supply to electrodes mounted on a water column attached to boiler to determine the water level.

Electrical parameters

	Input PCB			Display PCB		Relay PCB
Terminal Numbers	TB1	PL1	PL2, PL3, PL4, PL5	PL4	PL3, PL7	PL2, PL3
Parameters	<i>Ui: 130V~, 256V~, 40V=</i>	<i>Uo: 45V, Io: 25mA</i>	<i>Uo: 5.1V, Io: 0.55mA</i>	<i>Ui: 30V, Ii: 1A</i>	<i>Uo: 40V, Io: 120mA</i>	<i>Ui: 30V, Ii: 100mA</i>

Installation instructions

The instructions provided with the product shall be followed in detail to ensure safe operation.

Specific Conditions of Use

Do not open the enclosure when energized.

The Apparatus shall be protected by a device that will ensure that it is not subjected to voltage transients that exceed 40% of the nominal supply voltage. This device shall be mounted in the safe area.

The window can be an electrostatic hazard. Clean with a damp cloth and do not rub or clean with solvents.

The enclosure must be installed in such a position that it is not exposed to excessive sunlight or UV light.

Essential Health and Safety Requirements

Covered by standards listed above.

Test documentation

As listed in Report No. TD(A)0004

Certificate history

Issue	Date	Comments
0	2 Nov 17	First issue
1	2 Sep 19	Change of Manufacturer