



Lloyd's  
Register

# Type Approval Certificate Extension

*This is to certify* that Certificate No. 10/60021(E3) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

<b>PRODUCER</b>	Carling Technologies, Inc. 60 Johnson Avenue Plainville, CT 06062 USA
<b>PLACE OF PRODUCTION</b>	Carling Technologies, Inc. 60 Johnson Avenue Plainville, CT 06062 USA
<b>DESCRIPTION</b>	Monitoring and Control System
<b>TYPE</b>	OctoPlex Gen II  <i>Software Version: 0.33.24</i>  <i>Comprising modules:</i> A1470-CE                    System Monitor A1680-CE                    Battery Monitor A1415-CE                    6.5" Flat Panel Display A1415-1-CE                  6.5" Flat Panel Display w/RS232 A1650-CE                    8 Circuit DC Power Distribution Box A1655-CE                    16 Circuit DC Power Distribution Box A1770-CE                    AC Power Monitor A2000-08-[1]-CE            8 Circuit AC Power Distribution Box, 110 VAC A2000-08-[2]-CE            8 Circuit AC Power Distribution Box, 220 VAC A2000-08-[3]-CE            8 Circuit AC Power Distribution Box, 120/208
<b>Certificate No.</b>	10/60021(E4)
<b>Issue Date</b>	09 May 2018
<b>Expiry Date</b>	29 March 2020
<b>Sheet</b>	1 of 5




Hubert Palej  
Americas Technical Support Office  
Lloyd's Register Canada Limited

LR031.1.2016.06

Hubert Palej  
Toronto Technical Support Office

*Lloyd's Register Canada Limited*  
5420 North Service Road, Suite 506, Burlington, Ontario, L7L 6C7, Canada

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	VAC 3 Phase
A2000-08-[4]-CE	8 Circuit AC Power Distribution Box, 240 VAC
A2000-08-[5]-CE	8 Circuit AC Power Distribution Box, 240 VAC, Double Pole
A2000-16-[1]-CE	16 Circuit AC Power Distribution Box, 110 VAC
A2000-16-[2]-CE	16 Circuit AC Power Distribution Box, 220 VAC
A2000-16-[3]-CE	16 Circuit AC Power Distribution Box, 120/208 VAC 3 Phase
A2000-16-[4]-CE	16 Circuit AC Power Distribution Box, 240 VAC
A2000-16-[5]-CE	16 Circuit AC Power Distribution Box, 240 VAC, Double Pole
A2205-[1]-CE	Network Power Supply, 110 VAC
A2205-[2]-CE	Network Power Supply, 220 VAC
A3000-08-1	Octoplex Gen II AC Power Distribution Unit, 8 Position - 120V (No Main Breaker)
A3000-08-1M	Octoplex Gen II AC Power Distribution Unit, 8 Position - 120V (With Main Breaker)
A3000-08-2	Octoplex Gen II AC Power Distribution Unit, 8 Position - 120/240V (No Main Breaker)
A3000-08-2M	Octoplex Gen II AC Power Distribution Unit, 8 Position - 120/240V (With Main Breaker)
A3000-08-4	Octoplex Gen II AC Power Distribution Unit, 8 Position - 230V Single Pole (No Main Breaker)
A3000-08-4M	Octoplex Gen II AC Power Distribution Unit, 8 Position - 230V Single Pole (With Main Breaker)
A3000-08-5	Octoplex Gen II AC Power Distribution Unit, 8 Position - 230V Double Pole (No Main Breaker)
A3000-08-5M	Octoplex Gen II AC Power Distribution Unit, 8 Position - 230V Double Pole (With Main Breaker)
A3000-13-1	Octoplex Gen II AC Power Distribution Unit, 13 Position - 120V (No Main Breaker)
A3000-13-1M	Octoplex Gen II AC Power Distribution Unit, 13 Position - 120V (With Main Breaker)
A3000-13-2	Octoplex Gen II AC Power Distribution Unit, 13 Position - 120/240V (No Main Breaker)
A3000-13-2M	Octoplex Gen II AC Power Distribution Unit, 13 Position - 120/240V (With Main Breaker)

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A3000-13-3	Octoplex Gen II AC Power Distribution Unit, 13 Position - 120/208V (No Main Breaker)
A3000-13-3M	Octoplex Gen II AC Power Distribution Unit, 13 Position - 120/208V (With Main Breaker)
A3000-13-4	Octoplex Gen II AC Power Distribution Unit, 13 Position - 230V Single Pole (No Main Breaker)
A3000-13-4M	Octoplex Gen II AC Power Distribution Unit, 13 Position - 230V Single Pole (With Main Breaker)
A3000-13-5	Octoplex Gen II AC Power Distribution Unit, 13 Position - 230V Double Pole (No Main Breaker)
A3000-13-5M	Octoplex Gen II AC Power Distribution Unit, 13 Position - 230V Double Pole (With Main Breaker)
A3000-13-6	Octoplex Gen II AC Power Distribution Unit, 13 Position - 230/415V (No Main Breaker)
A3000-13-6M	Octoplex Gen II AC Power Distribution Unit, 13 Position - 230/415V (With Main Breaker)
A3000-19-1	Octoplex Gen II AC Power Distribution Unit, 19 Position - 120V (No Main Breaker)
A3000-19-1M	Octoplex Gen II AC Power Distribution Unit, 19 Position - 120V (With Main Breaker)
A3000-19-2	Octoplex Gen II AC Power Distribution Unit, 19 Position - 120/240V (No Main Breaker)
A3000-19-2M	Octoplex Gen II AC Power Distribution Unit, 19 Position - 120/240V (With Main Breaker)
A3000-19-3	Octoplex Gen II AC Power Distribution Unit, 19 Position - 120/208V (No Main Breaker)
A3000-19-3M	Octoplex Gen II AC Power Distribution Unit, 19 Position - 120/208V (With Main Breaker)
A3000-19-4	Octoplex Gen II AC Power Distribution Unit, 19 Position - 230V Single Pole (No Main Breaker)
A3000-19-4M	Octoplex Gen II AC Power Distribution Unit, 19 Position - 230V Single Pole (With Main Breaker)
A3000-19-5	Octoplex Gen II AC Power Distribution Unit, 19 Position - 230V Double Pole (No Main Breaker)
A3000-19-5M	Octoplex Gen II AC Power Distribution Unit, 19 Position - 230V Double Pole (With Main Breaker)
A3000-19-6	Octoplex Gen II AC Power Distribution Unit, 19

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A3000-19-6M	Position - 230/415V (No Main Breaker) Octoplex Gen II AC Power Distribution Unit, 19
A3000-19-7	Position - 230/415V (With Main Breaker) Octoplex Gen II AC Power Distribution Unit, 19
A3000-19-7M	Position, Custom - 120/240V (No Main Breaker) Octoplex Gen II AC Power Distribution Unit, 19
A3100-08-1	Position, Custom - 120/240V (With Main Breaker) Octoplex Gen II AC Power Distribution Unit, 8
A3100-08-1M	Position - 120V (No Main Breaker) (OctoLite) Octoplex Gen II AC Power Distribution Unit, 8
A3100-08-2	Position - 120V (With Main Breaker) (OctoLite) Octoplex Gen II AC Power Distribution Unit, 8
A3100-08-2M	Position - 120/240V (No Main Breaker) (OctoLite) Octoplex Gen II AC Power Distribution Unit, 8
A3100-08-4	Position - 120/240V (With Main Breaker) (OctoLite) Octoplex Gen II AC Power Distribution Unit, 8
A3100-08-4M	Position - 230V Single Pole (No Main Breaker) (OctoLite) Octoplex Gen II AC Power Distribution Unit, 8
A3100-08-5	Position - 230V Single Pole (With Main Breaker) (OctoLite) Octoplex Gen II AC Power Distribution Unit, 8
A3100-08-5M	Position - 230V Double Pole (No Main Breaker) (OctoLite) Octoplex Gen II AC Power Distribution Unit, 8
A3650	Position - 230V Double Pole (With Main Breaker) (OctoLite) Octoplex Gen II DC Power Distribution Unit, 8
A3655	Position Octoplex Gen II DC Power Distribution Unit, 16
A3470	Position Octoplex Gen II System Interface Monitor (SIU)
A3770	Octoplex Gen II AC Power Monitor
A3205-1	Octoplex Gen II Network Power Supply, 110V
A3205-2	Octoplex Gen II Network Power Supply, 230V
A3680	Octoplex Gen II Battery Monitor

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<b>APPLICATION</b>	For use in environmental category ENV2 as defined in Lloyd's Register Test Specification No. 1, July 2015.
<b>STANDARD</b>	Lloyd's Register Test Specification Number 1, July 2015.
<b>OTHER CONDITIONS</b>	Installation of this equipment for marine applications is to be in accordance with current Lloyd's Register Rules and Regulations.

*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Canada Limited of any modification or changes to the equipment in order to obtain a valid certificate."*

*The attached Design Appraisal Document No. 10/60021(E4) and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 10/60021(E3) to which this extension should be attached.

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