



## *Confirmation of Type Approval*

This is to certify that, pursuant to the Rules of American Bureau of Shipping (ABS), on 07/JUN/2007 the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) and a valid Product Design Assessment (PDA) for the below listed product, entitling the product to type approval. The validity of the Manufacturing Assessment is dependent on satisfactory audits as required by the Rules. The Product Design Assessment is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

For Date of ABS Rules used for evaluation; Please refer to the ABS Rules below.

This Confirmation of Product Type Approval is valid as of the date shown above for the below listed product.

ABS makes no representations regarding type approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for evaluation.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that the Client has full responsibility for continued compliance with the evaluation standard, whether the standard is an ABS Rule or a non-ABS Rule. As specified in the ABS Rules, Unit Certification may be required in addition to Product Type Approval. Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product.

### N-TRON CORP.

Model Name(s): Series 300 : See attached 'pdf' for models

**Presented to:**

N-TRON CORP.  
820 S UNIVERSITY BLVD.  
SUITE 4E  
MOBILE  
AL 36609  
United States

<b>Intended Service:</b>	Marine, Offshore and Industrial Network Switches
<b>Description:</b>	See attached "pdf" Key Specification
<b>Ratings:</b>	Input Voltage: 10-30 VDC Input Current: 250 mA@24V Class I, Division 2, Groups A, B, C and D
<b>Service Restrictions:</b>	Unit Certification is not required for this product. If the manufacturer or purchaser's request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.
<b>Comments:</b>	None
<b>Notes / Documentation:</b>	
<b>Term of Validity:</b>	Certificate 06-HS176465A/1-PDA, dated 27/Sep/2006 is valid as noted from date of issue or until the applicable Rules or standards are revised (whichever occurs first). Product use on or after 1 January 2007, will be subject to compliance with the ABS Rules or specifications in effect when the vessel, MODU or facility is contracted.
<b>ABS Rules:</b>	This Product Design Assessment (PDA) is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product as follows: 2006 Steel Vessel Rules 1-1-4/7.7, 4-8-3/1.7, 4-9-7/13

**National Standards:**  
**International Standards:**  
**Government Authority:**  
**EUMED:**  
**Others:**

None



Manager, ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.



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### N-TRON CORP.

Model Name(s): Series 500 : See attached 'pdf' for Models

**Presented to:**

N-TRON CORP.  
820 S UNIVERSITY BLVD.  
SUITE 4E  
MOBILE  
AL 36609  
United States

<b>Intended Service:</b>	Marine, Offshore and Industrial Network Switches
<b>Description:</b>	See attached "pdf" for subject Models Overview
<b>Ratings:</b>	Input Voltage: 10-30 VDC Input Current: 200 mA @ 24VDC Class I, Div 2, Groups A, B, C, D, T4A
<b>Service Restrictions:</b>	Unit Certification is not required for this product. If the manufacturer or purchaser's request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.
<b>Comments:</b>	None
<b>Notes / Documentation:</b>	
<b>Term of Validity:</b>	Certificate 06-HS176465B/1-PDA, dated 27/Sep/2006 is valid as noted from date of issue or until the applicable Rules or standards are revised (whichever occurs first). Product use on or after 1 January 2007, will be subject to compliance with the ABS Rules or specifications in effect when the vessel, MODU or facility is contracted.
<b>ABS Rules:</b>	This Product Design Assessment (PDA) is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product as follows: 2006 Steel Vessel Rules 1-1-4/7.7, 4-8-3/1.7, 4-9-7/13

**National Standards:**  
**International Standards:**  
**Government Authority:**  
**EUMED:**  
**Others:**

None



Manager, ABS Programs

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### N-TRON CORP.

Model Name(s): Series 9000 : See attached 'pdf' for Models


**Presented to:**

N-TRON CORP.  
820 S UNIVERSITY BLVD.  
SUITE 4E  
MOBILE  
AL 36609  
United States

<b>Intended Service:</b>	Marine, Offshore and Industrial Network Switches
<b>Description:</b>	See attached "pdf" for Key Specifications.
<b>Ratings:</b>	Input Voltage: 10-30 VDC Input Current: 2A @ 24VDC Class I, Div 2, Groups A, B, C, D, T4A
<b>Service Restrictions:</b>	Unit Certification is not required for this product. If the manufacturer or purchaser's request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.
<b>Comments:</b>	None
<b>Notes / Documentation:</b>	
<b>Term of Validity:</b>	Certificate 06-HS176465C/1-PDA, dated 27/Sep/2006 is valid as noted from date of issue or until the applicable Rules or standards are revised (whichever occurs first). Product use on or after 1 January 2007, will be subject to compliance with the ABS Rules or specifications in effect when the vessel, MODU or facility is contracted.
<b>ABS Rules:</b>	This Product Design Assessment (PDA) is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product as follows: 2006 Steel Vessel Rules 1-1-4/7.7, 4-8-3/1.7, 4-9-7/13

**National Standards:**  
**International Standards:**  
**Government Authority:**  
**EUMED:**  
**Others:**

None



Manager, ABS Programs

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