



**PLASTIC BODY SWITCHES**



# Certificate of Compliance

<b>Certificate:</b>	1696470	<b>Master Contract:</b>	150638
<b>Project:</b>	70170846	<b>Date Issued:</b>	2018-11-05
<b>Issued to:</b>	Cleveland Controls Division of UniControl, Inc. 1111 Brook Park Road Cleveland, Ohio 44109 USA Attention: Frank Lyzen		

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*



Issued by: *Vasyl Dykhman*  
Vasyl Dykhman

**PRODUCTS**

- CLASS 4813 02** - TEMPERATURE-INDICATING AND REGULATING EQUIPMENT-  
Other than Appliance Type
- CLASS 4813 82** - TEMPERATURE-INDICATING AND REGULATING EQUIPMENT-  
Other than Appliance Type - Certified to US Standards

Pressure or vacuum operated switches.

**Section A**

Models RSS- followed by 495- or 498-, followed by 1 through 9999.  
Models RSS- followed by 6000- to 6100-, followed by a four digit suffix.

Rating:  
Fluid: Air

Operating Pressure:  
RSS495 Series: 0.1 ± 0.05 to 1.0 in. WC air or vacuum factory set.  
RSS498 Series: 1.0 ± 0.05 to 6.0 in. WC air or vacuum factory set.  
RSS6000 Series: 0.1 ± 0.05 to 1.0 in. WC air or Vacuum factory set or 1.0 ± 0.05 to 6.0 in. WC air or vacuum factory set.

DQD 507 Rev. 2016-02-18



**Cleveland Controls**  
DIVISION OF UNICONTROL INC.  
1111 Brookpark Rd  
Cleveland OH 44109

Tel: 216-398-0330

Fax: 216-398-8558

Email: [salesvac@unicontrolinc.com](mailto:salesvac@unicontrolinc.com)

Web page: <http://www.clevelandcontrols.com>





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Max Body Pressure: 1 PSIG

Ambient Temperature: RSS Series 190°F

Electrical Rating:

RSS Series: Rated 5A, resistive at 28V dc, 5A resistive at 120-277V ac, 120 VA pilot duty at 120V ac.

### **Section B**

Model DNS2, NS2, followed by - 0000 through - 9999, followed by - 00 through - 99.

Rating:

Fluid: Air

Operating Pressure: 0.05 – 10 in. WC

Maximum Body Pressure – 14 in. WC

Ambient Temperature: -40°F to 190°F

Electrical Rating:

R1: Fine Silver Contacts; SPDT, SPST; 3FLA, 18LRA at 24Vac; SPST 5 Amps resistive at 24Vac, 100 mA @ 42Vdc

R2: Fine Silver Contacts; SPDT, SPST; 1/10 HP at 120 to 277Vac, 28 VA Pilot Duty at 24Vac, 125 VA Pilot Duty at 120Vac; SPST 5 Amps resistive at 120 to 277Vac, 100 mA @ 42Vdc

R3: Gold Alloy contacts; 0.15 Amps resistive at 24Vac or 24Vdc

Notes:

1. Open type devices are certified for use in other equipment where the suitability of the combination is to be determined by CSA International.
2. The attachment of leads to quick-connect terminals shall comply with the requirements regarding temperature and secureness applicable to the class of equipment involved. These terminals are not acceptable for field wiring. The terminals are intended for copper conductors only. If aluminum wiring is used, the suitability of this wiring shall be determined in the end-use application.
3. The switch ratings specified above under the heading ratings shall not be exceeded.
4. For use in ambient temperatures up to 81.7°C (179°F), the switches shall be wired using conductors with a temperature rating of at least 90°C. Above 81.7°C (179°F) to 87.7°C (190°F) wiring shall be rated at least 105°C (221°F).
5. The switches are to be mounted with the diaphragm in a vertical plane. The suitability of the mounting bracket or other mounting means shall be determined in the end-use application.

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6. The suitability of the connector for the air line connections shall be determined in the end-use application.

7. The complete model number shall be indicated in the end-use application report. If certain features such as the switch type (SPDT, SPST, NO, NC), connector type are considered important in its operation, they should be described in the end-use report.

8. NS2 switch maximum operating temperature must be verified in the end application and must not be exceeded.

### **APPLICABLE REQUIREMENTS**

CSA C22.2 No. 24-15      Temperature-Indicating and Regulating Equipment  
UL Std. No. UL353      Limit Controls (5th Ed.)

### **MARKINGS**

See CSA Report

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## Supplement to Certificate of Compliance

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**Master Contract:** 150638

*The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.*

### Product Certification History

Project	Date	Description
70170846	2018-11-05	Update report to CSA Std. C22.2 No. 24-15 as per CSA Certification Notice No.15, add DC rating for R1, R2 contacts, and add accessories 24Vac and 120Vac programmable timer modules for DNS2 and NS2 switches.
70097933	2016-10-17	Evaluate and update report with latest revision of UL report.
2072713	2008-10-31	Changed RSS model Classes from 4813-02/82. Report conversion of UL file MH6213, Vol 2, Sec1, Rev June 6, 2007. Added model NS2 by Report conversion of UL file MH6213, Vol 2, Sec 2, Aug 28, 2007; Rev. Dec 20, 2007. C22.2 No.24-93 & UL 353
1773869	2006-04-14	Report update to factory audit dated December 15, 2005
1696470	2005-08-16	Update plastic temperature rating used for switch parts

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