



# Certificate of Compliance

**Certificate:** 80113222

**Master Contract:** 300947

**Project:** 80113222

**Date Issued:** 2022-06-01

**Issued To:** **Governors America Corporation**  
720 Silver St  
Agawam, Massachusetts, 01001  
United States

**Attention: David Sinaguglia**

*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:**

Joshua Burdeshaw



## **PRODUCTS**

CLASS - C322802 - VALVES Actuators - For Hazardous Locations

CLASS - C322882 - VALVES Actuators - For Hazardous Locations-Certified to U.S. Standards

Class I, Division 2, Groups ABCD; T4 (T135°C)

**Integral throttle body electrically actuated valve** – Model ATBaaT1b-CSA. Electrical rating: 12 V dc, 3.0 A max or 24 V dc, 1.5 A. max. Ambient Temperature Range: -40°C to +105°C (-40°F to +221°F). Process Temperature Range: -40°C to +60°C (-40°F to +140°F). Maximum Working Pressure: 1.5 Bar.

Model	Duty Type	Voltage	Freq (Hz)	Current (A)	Operation
ATBaaT1b-CSA	Modulating	12/24	Up to 20kHz PWM signal	3.0 / 1.5	Continuous

Where:

aa = Actuator throttle body bore diameter in mm



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25, 30, 35

b = feedback sensor

N indicates units with no position feedback sensor.

F indicates units with position feedback sensor.

Conditions of safe use:

1. For use in stationary or material handling industrial markets only.
2. Open-Type Equipment shall be installed in suitable end-use enclosure meeting the requirements of Division 2 wiring practices according to the CEC (Canadian Electric Code) and NEC (National Electric Code) respectively.
3. The valve actuators are proportionally controlled through voltage input and may be used with a closed loop analogue or digital controller suitable for Class I, Division 2 applications with a magnetic speed sensor suitable for the ambient conditions.
4. The T1 series is considered an extra-low voltage (Class 2), general-purpose (non-safety), continuous operation, modulating valve assembly, intended for use only with natural gas, manufactured gas, and liquefied or vapor state petroleum gases.
5. Shall be connected to and supplied by Class 2 power supply.
6. The T1 series is not intended as a shutoff valve.
7. Wiring harnesses assembled shall be fitted with the following mating electrical connectors  
 Actuator supply: EC1000 or EC1010  
 Feedback sensor: EC1523
8. Components are not field serviceable.
9. Final acceptance in the end-use application is subject to approval by the local jurisdiction having authority.

Note: A circuit derived from a low-voltage circuit (as defined below) by connecting resistance in series with the supply circuit to limit the voltage and current is not considered to be a Class 2 circuit.

**Integral throttle body electrically actuated valve** – Model ATBaaT2b-CSA. Electrical rating: 12 V dc, 6.0 A max or 24 V dc, 3.0 A max. Ambient Temperature Range: -40°C to +105°C (-40°F to 221°F). Process Temperature Range: -40°C to +60°C (-40°F to 140°F). Maximum Working Pressure: 1.5Bar.

Model	Duty Type	Voltage	Freq (Hz)	Current (A)	Operation
ATBaaT2b-CSA	Modulating	12 / 24	Up to 20kHz PWM signal	6.0 / 3.0	Continuous

Where:

aa = Actuator throttle body bore diameter in mm  
 40, 45, 55

b = feedback sensor

N indicates units with no position feedback sensor.

F indicates units with position feedback sensor.



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Conditions of safe use:

1. For use in stationary or material handling industrial markets only.
2. Open-Type Equipment shall be installed in suitable end-use enclosure meeting the requirements of Division 2 wiring practices according to the CEC (Canadian Electric Code) and NEC (National Electric Code) respectively.
3. The valve actuators are proportionally controlled through voltage input and may be used with a closed loop analogue or digital controller suitable for Class I, Division 2 applications with a magnetic speed sensor suitable for the ambient conditions.
4. The T2 series is considered an extra-low voltage (Class 2), general-purpose (non-safety), continuous operation, modulating valve assembly, intended for use only with natural gas, manufactured gas, and liquefied or vapor state petroleum gases.
5. Shall be connected to and supplied by a Class 2 power supply.
6. The T2 series is not intended as a shutoff valve.
7. Wiring harnesses assembled shall be fitted with the following mating electrical connectors  
Actuator supply: EC1000 or EC1010  
Feedback sensor: EC1515
8. Components are not field serviceable.
9. Final acceptance in the end-use application is subject to approval by the local jurisdiction having authority.

Note: A circuit derived from a low-voltage circuit (as defined below) by connecting resistance in series with the supply circuit to limit the voltage and current is not considered to be a Class 2 circuit.

Class I, Division 2, Groups ABCD; T3C (T160°C)

**Integral throttle body electrically actuated valve** – Model ATBaaT4b-CSA. Electrical rating: 24 V dc, 10 A max. Ambient Temperature Range: -40°C to +105°C (-40°F to 221°F). Process Temperature Range: -40°C to +60°C (-40°F to 140°F). Maximum Working Pressure: 1.5Bar.

Model	Duty Type	Voltage	Freq (Hz)	Current (A)	Operation
ATBaaT4b-CSA	Modulating	24	Up to 20kHz PWM signal	10.0	Continuous

Where:

aa = Actuator throttle body bore diameter in mm  
65, 75, 85, 95

b = feedback sensor

N indicates units with no position feedback sensor.

F indicates units with position feedback sensor.

Conditions of safe use:

1. For use in stationary or material handling industrial markets only.



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2. Open-Type Equipment shall be installed in suitable end-use enclosure meeting the requirements of Division 2 wiring practices according to the CEC (Canadian Electric Code) and NEC (National Electric Code) respectively.
3. The valve actuators are proportionally controlled through voltage input and may be used with a closed loop analogue or digital controller suitable for Class I, Division 2 applications with a magnetic speed sensor suitable for the ambient conditions.
4. The T4 is considered an extra-low voltage (Class 2), general-purpose (non-safety), continuous operation, modulating valve assembly, intended for use only with natural gas, manufactured gas, and liquefied or vapor state petroleum gases.
5. Shall be connected to and supplied by Class 2 power supply.
6. The T4 is not intended as a shutoff valve.
7. Wiring harnesses assembled shall be fitted with the following mating electrical connectors  
Actuator supply: EC1000 or EC1010  
Feedback sensor: EC1523
8. Components are not field serviceable.
9. Final acceptance in the end-use application is subject to approval by the local jurisdiction having authority.

Note: A circuit derived from a low-voltage circuit (as defined below) by connecting resistance in series with the supply circuit to limit the voltage and current is not considered to be a Class 2 circuit.

### **APPLICABLE REQUIREMENTS**

CSA C22.2 No. 139-13 Fourth Edition	Electrically operated valves
CSA C22.2 No. 213-17 Third Edition	Nonincendive electrical equipment for use in Class I and II, Division 2 and Class III, Divisions 1 and 2 hazardous (classified) locations
UL 429 Seventh Edition	Electrically Operated Valves
ANSI/UL 121201 Ninth Edition	Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

### **MARKINGS**

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.



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The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

**Nameplate adhesive label material approval information:**

The following markings are provided on an adhesive label Type A - Pressure-sensitive "300", Matte Silver Polyester, topcoated, 4.1 mil for Indoor and Outdoor use on Metal (max temp 150C), Plastic Group I (max temp 100C) and Plastic Groups II, III, IV, V, VI, VII and VIII (max temp 80C). CSA Accepted (Class 7921.xx) or UL Recognized to Canadian requirements (PGDQ8) and UL Recognized (PGDQ2) or CSA Accepted to US Standards (Class 7921.8x).

Printing of Model number, S/N, Voltage and Current are printed at the time of manufacture with no lamination using one of the following approved transfer ribbons.

Thermal Transfer Ribbons

Armor - AXR7+, AXR-600

DaiNippon (DNP) - TR5070, TR4070, TR4075, Signature Series Resin

Iimak - SP-330

Mid City Columbia - CGL-80, CGL-80HE

Sato Corp. - Sato Premier I

Zebra Technologies Corp. - 5095, 5100, 5175

The following markings shall be permanently marked on the product prior to shipment:

- Manufacturer's name: "Governors America Corp.", or CSA Master Contract Number "249325", adjacent to the CSA Mark in lieu of manufacturer's name.
- A distinctive catalog number or the equivalent: As specified in the PRODUCTS section, above.
- Electrical ratings: As specified in the PRODUCTS section, above.
- Maximum operating pressure
- The kind and the maximum temperature of fluid
- Ambient temperature rating: As specified in the PRODUCTS section, above.
- Manufacturing date in MMY format, or serial number, traceable to year and month of manufacture.
- The CSA Mark, as shown on the Certificate of Conformity.
- Hazardous Location designation: As specified in the PRODUCTS section, above.
- Temperature code: As specified in the PRODUCTS section, above.

Optional zone marking (US only):

- Class I, Zone 2 Group IIC; and
- The maximum temperature class:
  - Model T1: T4 (135°C)
  - Model T2: T4 (135°C)
  - Model T4: T3 (200°C)

- The following cautionary or warning statements:

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“TO BE CONNECTED TO A CLASS 2 CIRCUIT ONLY” and “RACCORDER UNIQUEMENT À UN CIRCUIT DE CLASSE 2” or equivalent.

- The international symbol  used to refer the operator to the equipment instructions.

The following shall be permanently marked on the valve body:

- The direction of flow

The following markings shall be provided on the securement means or the plug / socket portion of the cable assembly(s):

“WARNING – EXPLOSION HAZARD. DO NOT CONNECT OR DISCONNECT WHEN ENERGIZED” or equivalent; and

“AVERTISSEMENT – RISQUE D’EXPLOSION. NE PAS BRANCHER NI DÉBRANCHER SOUS TENSION”.

Notes:

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Products certified under Class C322802, C322882 have been certified under CSA’s ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)





## *Supplement to Certificate of Compliance*

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

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
80113222	2022-06-01	Original certification of the ATB Model Series T1, T2, and T4 throttle body actuated valves for use in Class I, Division 2, Groups ABCD Hazardous Locations.