# Certificate of Compliance

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|---|---|---|---|
| **Certificate:** | 1773282 | **Master Contract:** | 202481 |
| **Project:** | 80282866 | **Date Issued:** | 2026-04-14 |
| **Issued to:** | **ControlAir LLC**<br>**8 Columbia Dr**<br>**Amherst, New Hampshire**<br>**03031**<br>**United States**<br><br>**Attention:** Kevin McInnis | **Issued by:** | *Konstantin Rybalko*<br>Konstantin Rybalko |

***The products listed below are eligible to bear the CSA Mark shown***

**PRODUCTS**

**Class 2258 04 PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations**

1. **Class I, Division 1, Groups A, B, C and D T4**

   - T590 I/P Converter, input rated 4-20mA, 40Vdc maximum, intrinsically safe with entity parameters Vmax = 40V, Imax = 150mA, Pmax = 0.7W, Ci = 0nF, Li = 0mH when connected per installation drawing number 431-990-047, Maximum Ambient Temperature 75°C

Conditions of acceptability:

1. T590I/P Converter is open type equipment and shall be enclosed in a suitable enclosure where the final combination shall be accepted by local authority having jurisdiction.
2. The non-metallic cover of the I/P transducer is considered to constitute an electrostatic discharge hazard. Clean only with a damp cloth.
3. The I/P transducer enclosure's metal base must be mounted as part of a bonded structure.
4. The I/P transducer enclosure contains aluminum and is considered to constitute a potential risk of ignition by impart or friction


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and must be considered during installation.

**Class I, Division 1, Groups A, B, C and D T4;**
**Class II, Division 1, Groups E, F and G;**
**Class III;**
**Encl. Type 4X and IP65**

- T595XP I/P Converter, input rated 4-20mA, 40Vdc maximum, intrinsically safe with entity parameters Vmax = 40V, Imax = 150mA, Pmax = 0.7W, Ci = 0nF, Li = 0mH when connected per installation drawing number 431-990-055
  Maximum Ambient Temperature 75°C.

Conditions of acceptability:

1. The non-metallic cover of the I/P transducer is considered to constitute an electrostatic discharge hazard. Clean only with a damp cloth.
2. The I/P transducer enclosure's metal base must be mounted as part of a bonded structure.
3. The I/P transducer enclosure contains aluminum and is considered to constitute a potential risk of ignition by impart or friction and must be considered during installation.

**Class 2258 02 PROCESS CONTROL EQUIPMENT - For Hazardous Locations**

**Class I, Division 1 and 2, Groups A, B, C and D T4;**
**Class II, Division 1 and 2, Groups E, F and G;**
**Class III;**
**Encl. Type 4X and IP65**

- T595XP I/P Converter, input rated 4-20mA, 40Vdc maximum, Maximum Ambient Temperature 75°C.

**Class I, Division 2, Groups A, B, C and D T4**

- T590 I/P Converter, input rated 4-20mA, 40Vdc maximum, Maximum Ambient Temperature 75°C.

Condition of acceptability:

T590 I/P Converter is open type equipment and shall be enclosed in a suitable enclosure where the final combination shall be accepted by local authority having jurisdiction.

## APPLICABLE REQUIREMENTS

| Standards Used | Description |
|---|---|
| CSA C22.2 No. 142-M1987 - Third Edition | Process Control Equipment |
| CAN/CSA C22.2 No. 60079-0:19 | Explosive atmospheres - Part 0: Equipment - General requirements |


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| Standards Used | Description |
|---|---|
| CAN/CSA-C22.2 No 60079-11:14 | Explosive Atmospheres - Part 11: Equipment protection by intrinsic safety 'i' |
| CSA C22.2 No. 30-M1986 | Explosion-Proof Enclosures for Use in Class I Hazardous Locations Industrial Products - General Instruction No 1-2 |
| CSA C22.2 No. 25-1966(R2004) | Enclosures for Use in Class II Groups E, F, and G Hazardous Locations - General Instruction No 1 |
| CSA C22.2 No. 94-M91 (First Edition) | Special Purpose Enclosures Industrial Products |
| CAN/CSA-E60079-0-02 | Electrical Apparatus for Explosive Gas Atmospheres – Part 0: General Requirements; CEI/IEC 60079-0: 1998 + A1: 2000 |
| CAN/CSA-E60079-1-02 - Second Edition | Electrical Apparatus for Explosive Gas Atmospheres - Part 1: Flameproof Enclosures "d" ; IEC 60079-1: 2001 |
| CAN/CSA-E61241-1-1-02 (Second Edition) (R2006) | Electrical Apparatus for Use in the Presence of Combustible Dust - Part 1-1: Electrical Apparatus Protected by Enclosures and Surface Temperature Limitation - Specification for Apparatus (Adopted IEC 61241-1-1:1999, second edition, 1999-06, with Canadian deviations) |
| CAN/CSA-C22.2 No. 213-17 + UPD 1 (2018) + UPD 2 (2019) + UPD 3 (2021) (R2022) | Non-incendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations |

**Standards Notes**

Only intrinsically safe version of equipment assessed to requirements of CSA C22.2 No. 60079-0:19


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Notes:

Products certified under Class(es) C225802, C225804 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca


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# *Supplement to Certificate of Compliance*

**Certificate:** 1773282 **Master Contract:** 202481

***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 |
|---|---|---|
| 80282866 | 2026-04-14 | Update to CSA report 1773282 to update the standards CSA C22.2 No.213-M1987 as per the applicable Hazloc Notice, Hazardous Locations Products No. 28, and CSA C22.2 No. 157-M1992 as per the applicable Hazloc Notice, Hazardous Locations Products No. 23 based upon acceptance of data from external ExTRs. |
| 70098711 | 2016-11-14 | Evaluation to update report 1773282 to revise drawings. |
| 2610207 | 2013-03-22 | Update to include alternate ATEX drawing which allows M-20 conduit threads. |
| 2513751 | 2012-06-05 | Update to include revised drawings. |
| 2341256 | 2010-08-31 | Update of Report 1773282 to include revised drawings. |
| 2147037 | 2009-05-05 | Addition of Model 595XP I/P Converter. |
| 1920693 | 2007-06-21 | Update to cover parameters and product revision |
| 1773282 | 2006-04-26 | Original certification |

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