



Certificate of Compliance

Certificate: 1135093

Master Contract: 157176

Project: 70058256

Date Issued: 2016-01-21

Issued to: Fairchild Industrial Products Company
3920 West Point Blvd.
Winston-Salem, North Carolina 27103
USA

Attention: Stan Przybylowicz

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



Issued by: Semyon Baum
Semyon Baum

PRODUCTS

CLASS - C225803 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations

Class I, II, III, Div. 1, Groups A, B, C, D, E, F, & G;

Class I, II, III, Div. 2, Groups A, B, C, D, E, F, & G;

Current to pressure transducers, Models TACI-6000-*, TDCI-6000-*, TTCI-6000-*, TJCI6000-* and TRCI-6000* intrinsically safe when connected through the following Certified shunt diode safety barriers as per Drawing No ED-18005; T4:

- Single channel, polarized, rated 28V max, 300 ohm min;
- Dual channel, polarized, rated 28V max, 300 ohm min and 28V diode return;
- Dual channel, polarized, rated 28V max, 300 ohm min and 10V max, 50 ohm min return, or 28.5V max, 300 ohm min and 9V max, 50 ohm min return.

Notes:

1. Current to pressure transducers, Models TTCI-6000-* and TRCI-6000-* are Certified as components only for use in a suitable enclosure where the final combination is subject to acceptance by CSA or Local Inspection Authority having jurisdiction.
2. Current to pressure transducers, Models TACI-6000-*, TDCI-6000-* and TJCI-6000* may be followed by suffix "W" to denote "IP65" rating. TDCI6000 did not meet all Enclosure Type 4 requirements (CSA C22.2 No.



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94.2-2007) and may only be marked with the IP65 rating because the plastic DIN male and female connector used in TDCI6000 is not rated for Ultra-Violet light exposure.

3. Current to pressure transducers, Models TACI-6000-* and TJCI-6000* have “Type 4 Enclosure” rating
4. * denotes input (4-20mA or 10-50mA) and output (pressure) ranges.
5. Enclosure requirements according following table.

Model	Environmental
TTCI6000, TRCI6000	Must be mounted in a suitable enclosure
TACI6000, TDCI6000 (Terminal Block Connections)	Type 3R (upright mounting)
TDCI6000W	IP65
TACI6000W, TJI6000W (DIN Connector)	Type 4

APPLICABLE REQUIREMENTS

CAN/CSA Standard C22.2 No. 0-M91	General Requirements – Canadian Electrical Code, Part II
CSA Standard C22.2 No. 142-M1987	Process Control Equipment
CSA Standard C22.2 No. 157-92	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
CSA Standard C22.2 No. 94.1-07	Enclosures for Electrical Equipment, Non-environmental considerations
CSA Standard C22.2 No. 94.2-07	Enclosures for Electrical Equipment, Environmental considerations
CAN/CSA Standard C22.2 No. 60529	Degrees of protection provided by enclosures (IP Code)
CAN/CSA Standard C22.2 No. 25	Enclosures for Use in Class II Groups E, F, and G Hazardous Locations
CAN/CSA Standard C22.2 No. 213-M	Non-incendive electrical equipment for use in class I, division 2 hazardous locations

MARKINGS

The following markings are provided on an aluminium nameplate mechanically secured to the transducer body through the use of screws, bolts or equivalent. The following markings are etched onto the aluminium plate:

- Manufacturer’s name, “Fairchild Industrial Products Co.”, or CSA Master Contract Number “157176” adjacent to the CSA Mark in lieu of Manufacturer’s name
- Model number: as specified in the PRODUCTS section above
- Electrical ratings: as specified in the PRODUCTS section above (may be abbreviated)
- Manufacturing date in MMY format, or serial number, traceable to month of manufacture
- Enclosure ratings: As specified in the PRODUCTS section above
- The CSA Mark with or without the “C” and/ or “US” indicators
- Hazardous Location designation: as specified in the PRODUCTS section above (may be abbreviated)



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- Temperature Code: as specified in the PRODUCTS section above (optional marking)
- The following words:
 - “Exia”
 - “Intrinsically Safe”
 - “WARNING: Substitution of components may impair intrinsic safety.”
 - “Install per drawing ED 18005”

Installation drawing ED 18005 shall be supplied with each unit.

Note - Jurisdictions in Canada may require these markings to also be provided in French language. It is the responsibility of the manufacturer to provide bilingual marking, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities. It is the responsibility of the manufacturer to determine this requirement and have bilingual wording added to the "Markings".



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

Project	Date	Description
70058256	2016-01-21	Evaluation to update Report 1135093 to include update current to pressure transducer, update drawings and add alternate coil to replace obsolete coil. Quote Assumes: 1. Only a minor evaluation to assure revisions to drawing do not affect requirements and sufficient information is provided/reviewed on the new alternate coil to assure that no major evaluation and no testing we be required. 2. Additional funds to be requested for any major evaluation and testing determined to be required.
2468365	2012-02-27	Update to report 1135093 with IP65 enclosure rating for TACI-6000, TDCI-6000 and TJCI-6000 models, update with Type 4 Enclosure rating for TACI-6000 and TJCI-6000 models, and addition of newly revised drawings; model TJCI-6000 is added to the listing
1511486	2004-04-02	Update Report 157176-1135093 to include revised Drawings per December 10, 2003 letter