Certificate of Compliance

Certificate:	1554165	**Master Contract:**	161241
Project:	80274292	**Date Issued:**	2026-04-02
Issued to:	**Chemelex LLC** **899 Broadway Street** **Redwood City, California** **94063** **United States** **Attention:** Wesley Van Hill	**Issued by:**	*Faith Caprio* Faith Caprio

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.

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

Temperature control, Raychem Models

Model(s)	Input Frequency (Hz)	Input Voltage (V)	Max Ambient Temp (°C)
JBS-100-ECP-A, JBS-100-ECW-A	50/60	100-277	60

Output heater relay contacts rated 100-277V ac, 30A, 100,000 cycles.

Notes:

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1. Above models to be connected to only Certified, Raychem types XL-Trace, BTV, QTVR, XTV, VPL, KTV and Pyrotenax type A & D MI, heating cables to be used in non-hazardous locations and to control temperatures up to a max of 220ºC.
2. Component model to be used only as a replacement kit in the above Certified models supplied with enclosure.
3. Connectors used with enclosure in the end application are Certified weather proof type 4X.

APPLICABLE REQUIREMENTS

Standards Used	Description
UL 873 (Twelfth Edition)	Temperature-Indicating and -Regulating Equipment
CSA C22.2 No. 24:21 - Tenth Edition	Temperature-indicating and -regulating equipment

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Notes:

Products certified under Class(es) C481302, C481382 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

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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
80274292	2026-04-02	Update of report #1554165 to provide updated company name on certificate. No tests were deemed necessary as there were no changes to the construction of the equipment.
80130547	2022-08-12	Update Report to add alternate relay to K2.
70214411	2019-05-08	Update report to C22.2 No. 24 -15 as per CSA Certification Notice No 15.
70183304	2018-05-10	CSA Group to conduct update to report 70065723, regarding the name change from Pentair Thermal Management LLC to nVent Thermal LL C.
70065723	2016-02-29	Report update to change the name of the temperature controllers from Digi Trace to Raychem.
2727883	2014-06-18	Update report 1554165 to cover Pentair's request to reissue the report, the CofC and the supplement.
2443326	2011-08-10	Update installation instructions.
2162144	2009-04-08	Added new installation instructions.
2051013	2008-06-20	Added alternate XL-Trace Heating Cable
1847749	2006-11-08	Added revised installation instructions and silkscreen
1733962	2005-11-17	Replaced ILL 16 with revised drawing no. 2704-A.
1628957	2005-02-23	Temperature control. Alternate enclosure cover construction. (update to 1554165).

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1554165	2004-12-17	Electronic temperature control (to be used with certified cables), Legacy File 21133

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