

CERTIFICATE OF COMPLIANCE

Certificate Number 20150625- E226592
Report Reference E226592-20150623
Issue Date 2015-June-25

Issued to: UNITED ELECTRIC CONTROLS CO
180 DEXTER AVE, PO BOX 9143,
WATERTOWN MA 02472

**This is to certify that
representative samples of**

PROCESS CONTROL EQUIPMENT FOR USE IN
HAZARDOUS LOCATIONS
PROCESS CONTROL EQUIPMENT FOR USE IN ZONE
CLASSIFIED HAZARDOUS LOCATIONS
Refer to Addendum Page for models

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: Refer to Addendum Page for Standard(s)
Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

USL - Class I, Groups A, B, C, and D; Class II, Groups E, F, and G; Class III for Explosion Proof or Intrinsic Safety; Intrinsically safe when installed in accordance with Control Drawing No. A-62174-64.

Class I, Groups B, C, and D; Class II, Groups E, F, and G; Class III for Explosion Proof dual seal.

Class I, Division 2, Groups A, B, C, and D; Class II, Division 2, Groups E, F, and G; Class III Division 2, for Non-incendive.

Class I, Zone 0, AEx ia IIC T4 Ga when installed in accordance with Control Drawing No. A-62174-64;

Class I, Zone 1, AEx d IIC T5 Gb Hazardous Locations;

Class I, Zone 2, AEx nA IIC T4 Gc Hazardous Locations;

CNL - Class I, Groups A, B, C, and D; Class II, Groups E, F, and G; Class III for Explosion Proof or Intrinsic Safety; Intrinsically safe when installed in accordance with Control Drawing No. A-62174-64.

Class I, Groups B, C, and D; Class II, Groups E, F, and G; Class III for Explosion Proof dual seal.

Class I, Division 2, Groups A, B, C, and D; Class II, Division 2, Groups E, F, and G; Class III Division 2, for Non-incendive.

Ex ia IIC T4 Ga when installed in accordance with Control Drawing No. A-62174-64;

Ex d IIC T5 Gb Hazardous Locations;

Ex nA IIC T4 Gc Hazardous Locations;

One Series Electronic Pressure and Temperature Switch, Model No 1XSWLL followed by L, V, P, T, or K, followed by 06, 08, 10 thru 20, L1, L2, L3, R1, RC, H1, HC, C1 or CC, followed by M-041 or Four character alphanumeric code.



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Standard No. UL 913, 8th Ed., Rev. 2015-04-28, Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations

Standard No. UL 1203, 5th Ed., Issued 2013-11-22, Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations

Standard No. UL 60079-0, 6th Ed., Issued 2013-07-26, Explosive atmospheres – Part 0: Equipment – General requirements

Standard No. UL 60079-1, 6th Ed., Rev. 2013-08-09, Explosive Atmospheres – Part 1: Equipment Protection by Flameproof Enclosures “d”

Standard No. UL 60079-11, 6th Ed., Rev. 2014-03-28, Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety “i”

Standard No. UL 60079-15, 4th Ed., Rev. 2013-08-02 Explosive atmospheres – Part 15: Equipment protection by type of protection “n”

Standard No. ANSI/ISA 12.12.01-2013, Issued 2013-06-03, Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

Standard No. ISA 12.27.01 REQUIREMENTS FOR PROCESS SEALING BETWEEN ELECTRICAL SYSTEMS AND FLAMMABLE OR COMBUSTIBLE PROCESS FLUIDS - Edition 1 - Issue Date 2011/10/05

Standard No. UL 61010-1 Safety Requirements For Electrical Equipment For Measurement, Control, and Laboratory Use - Part 1: General Requirements - Edition 3 - Issue Date 2012/05/11

Standard No. UL 50, 12th Edition, Enclosures for Electrical Equipment, Non-Environmental Considerations

Standard No. UL 50E, 1st Edition, Enclosures for Electrical Equipment, Environmental Consideration

Standard No. CAN/CSA C22.2 No. 25-1966, Issued 1966-09, Enclosures for Use in Class II Groups E, F, and G Hazardous Locations

Standard No. CAN/CSA C22.2 No. 30-M1986, Issued 1986-11 + General Instruction No. 2:1988-11, Explosion-Proof Enclosures for Use in Class I Hazardous Locations

Standard No. CAN/CSA C22.2 No. 157-92, Issued 1992-06 + Update No. 2:2003-06, Intrinsically Safe and Non-incendive Equipment for Use in Hazardous Locations

Standard No. CAN/CSA C22.2 No. 213-M1987, Issued 1987-03, Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

Standard No. CAN/CSA-C22.2 No. 60079-0:11, Issued 2011-12, Explosive atmospheres — Part 0: Equipment — General requirements

Standard No. CAN/CSA-C22.2 No. 60079-1:11, Issued 2011-12, Explosive atmospheres — Part 1: Equipment protection by flameproof enclosures “d”

Standard No. CAN/CSA-C22.2 No. 60079-11:14, 2nd Ed., Issued 2014-02, Explosive atmospheres — Part 11: Equipment protection by intrinsic safety “i”

Standard No. CAN/CSA C22.2 No. 60079-15:12, Issued 2012-01, Electrical apparatus for explosive gas atmospheres — Part 15: Construction, test and marking of type of protection “n” electrical apparatus

Standard No. CSA C22.2 No. 61010-1-12 Safety Requirements For Electrical Equipment For Measurement, Control, and Laboratory Use. Pt. 1, General Requirements - Edition 3 - Issue Date 2012/05/01, Temperature Test, Sec 10

Standard No. CAN/CSA No. C22.2 94.01-07, Enclosures for Electrical Equipment, Non-Environmental Considerations - First Edition

Standard No. CAN/CSA No. C22.2 94.2-07, Enclosures for Electrical Equipment, Environmental Considerations - First Edition



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CERTIFICATE OF COMPLIANCE

Certificate Number 20151105- E226592
Report Reference E226592-20151030
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Additional Information:

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USL -

Class I, Groups A, B, C, and D; Class II, Groups E, F, and G; Class III (single seal models).

Class I, Groups B, C, and D; Class II, Groups E, F, and G; Class III for Explosion Proof dual seal (models ending in M-041).

Class I, Division 2, Groups A, B, C, and D; Class II, Division 2, Groups E, F, and G; Class III Division 2, for Non-incendive.

Class I, Zone 1, AEx db IIC T5 Gb Hazardous Locations;

Class I, Zone 2, AEx nA IIC T5 Gc Hazardous Locations;

CNL -

Class I, Groups A, B, C, and D; Class II, Groups E, F, and G; Class III (single seal models).

Class I, Groups B, C, and D; Class II, Groups E, F, and G; Class III for Explosion Proof dual seal (models ending in M-041).

Class I, Division 2, Groups A, B, C, and D; Class II, Division 2, Groups E, F, and G; Class III Division 2, for Non-incendive.

Ex d IIC T5 Gb Hazardous Locations;

Ex nA IIC T5 Gc Hazardous Locations;

One Series Electronic Pressure and Temperature Switch, Model No 1XTX followed by SW or 00, followed by L, V, P, T, or K, followed by 06, 08, 10 thru 20, L1, L2, L3, R1, RC, H1, HC, C1 or CC, followed by M-041 or Four character alphanumeric code



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Standard(s) for Safety:

UL 1203, Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations
UL 60079-0, Explosive atmospheres – Part 0: Equipment – General requirements
UL 60079-1, Explosive Atmospheres – Part 1: Equipment Protection by Flameproof Enclosures “d”
UL 60079-15, Explosive atmospheres – Part 15: Equipment protection by type of protection “n”
ANSI/ISA 12.12.01-2013, Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations
ISA 12.27.01, REQUIREMENTS FOR PROCESS SEALING BETWEEN ELECTRICAL SYSTEMS AND FLAMMABLE OR COMBUSTIBLE PROCESS FLUIDS
UL 61010-1, Safety Requirements For Electrical Equipment For Measurement, Control, and Laboratory Use - Part 1: General Requirements
UL 50, Enclosures for Electrical Equipment, Non-Environmental Considerations
UL 50E, Enclosures for Electrical Equipment, Environmental Consideration
CAN/CSA C22.2 No. 25-1966, Enclosures for Use in Class II Groups E, F, and G Hazardous Locations
CAN/CSA C22.2 No. 30-M1986, Issued 1986-11 + General Instruction No. 2:1988-11, Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CAN/CSA C22.2 No. 157-92, Intrinsically Safe and Non-incendive Equipment for Use in Hazardous Locations
CAN/CSA C22.2 No. 213-M1987, Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
CAN/CSA-C22.2 No. 60079-0:11, Explosive atmospheres — Part 0: Equipment — General requirements
CAN/CSA-C22.2 No. 60079-1:11, Explosive atmospheres — Part 1: Equipment protection by flameproof enclosures “d”
CAN/CSA C22.2 No. 60079-15:12, Electrical apparatus for explosive gas atmospheres — Part 15: Construction, test and marking of type of protection “n” electrical apparatus
CSA C22.2 No. 61010-1-12, Safety Requirements For Electrical Equipment For Measurement, Control, and Laboratory Use. Pt. 1, General Requirements - Edition 3 - Issue Date 2012/05/01, Temperature Test, Sec 10
CAN/CSA No. C22.2 94.01-07, Enclosures for Electrical Equipment, Non-Environmental Considerations - First Edition
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