



Certificate of Compliance

Certificate: 2215848

Master Contract: 220734

Project: 70210615

Date Issued: March 06, 2019

Issued to: Newson Gale Limited
Omega House
Private Road 8
Colwick, Nottingham
NG4 2JX
UNITED KINGDOM

Attention: Gary Cawthorn

The products listed below 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 US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by:

Sripriya K
Sripriya Kalyanasundaram

PRODUCTS

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations

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

Ex nA [ia] IIC:

DIP A22 T70C:

Earth-Rite UPS Universal Power Supply, Model ER/UPS/AC (Suitable for use in Class I, Div. 2, Groups A, B, C, D; and Class I, Zone 2, Group IIC); input rated 120/240 Vac, 50/60Hz, 200 mA; Provides Intrinsically Safe output for Class I, Div. 1, Groups A, B, C, D; Class II, Div. 1, Groups E, F, G; Class III, Div. 1; Class I, Zone 0, Group IIC; with entity output parameters of: $V_{oc}/U_o = 8.6$ V, $I_{sc}/I_o = 152$ mA, $P_o = 715$ mW, $C_a/C_o = 5.9$ μ F, $L_a/L_o = 1.5$ mH; when installed per installation Dwg. ERUPS-Q-09212; -25 Deg. C \leq Tamb. \leq +55 Deg. C; Temperature Code T4; Encl. Type 4X, IP66.



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CLASS 2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations - CERTIFIED TO U.S. STANDARDS

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

AEx nA [ia] IIC:

AEx tD [iaD] 22 T70C:

Earth-Rite UPS Universal Power Supply, Model ER/UPS/AC (Suitable for use in Class I, Div. 2, Groups A, B, C, D; and Class I, Zone 2, Group IIC); input rated 120/240 Vac, 50/60Hz, 200 mA; Provides Intrinsically Safe output for Class I, Div. 1, Groups A, B, C, D; Class II, Div. 1, Groups E, F, G; Class III, Div. 1; Class I, Zone 0, Group IIC; with entity output parameters of: $V_{oc}/U_o = 8.6$ V, $I_{sc}/I_o = 152$ mA, $P_o = 715$ mW, $C_a/C_o = 5.9$ μ F, $L_a/L_o = 1.5$ mH; when installed per installation Dwg. ERUPS-Q-09212; -25 Deg. C \leq Tamb. \leq $+55$ Deg. C; Temperature Code T4; Encl. Type 4X, IP66.



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APPLICABLE REQUIREMENTS

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| CAN/CSA-C22.2 No. 0-M91 | - General Requirements – Canadian Electrical Code, Part II |
| CAN/CSA-C22.2 No. 94-M91 | - Special Purpose Enclosures |
| C22.2 No. 142-M1987 | - Process Control Equipment |
| CAN/CSA-C22.2 No. 157-92 | - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations |
| C22.2 No. 213-M1987 | - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations |
| CAN/CSA-C22.2 No. 60079-0:07 | - Electrical apparatus for explosive gas atmospheres - Part 0: General requirements |
| CAN/CSA-E60079-11:02 | - Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic Safety "i" |
| CAN/CSA-E60079-15:02 | - Electrical apparatus for explosive gas atmospheres - Part 15: Type of Protection "n" |
| CAN/CSA-C22.2 No. 60529:05 | - Degrees of protection provided by enclosures (IP Code) |
| CAN/CSA-E61241-1-1:02 | - 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 |
| UL 50 (11 th Ed.) | - Enclosures for Electrical Equipment |
| UL 746C (6 th Ed.) | - Polymeric Materials – Use in Electrical Equipment Evaluations |
| UL 913 (7 th Ed.) | - Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous Locations |
| UL 916 (4 th Ed.) | - Energy Management Equipment |
| UL 1203 (4 th Ed.) | - Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations |
| ANSI/ISA 12.12.01-2007 | - Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations |
| ANSI/UL 60079-0:09 | - Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements |
| ANSI/UL 60079-11:09 | - Electrical apparatus for Explosive Gas Atmospheres - Part 11: Intrinsic Safety "i" |
| ANSI/UL 60079-15:09 | - Electrical apparatus for Explosive Gas Atmospheres - Part 15: Type of Protection "n" |
| ANSI/IEC 60529:2004 | - Degrees of Protection Provided by Enclosures (IP Code) |
| ANSI/ISA-61241-0 (12.10.02)-2006 | - Electrical Apparatus for Use in Zone 20, Zone 21 and Zone 22 Hazardous (Classified) Locations – General Requirements |
| ISA-61241-1 (12.10.03)-2006 | - Electrical Apparatus for Use in Zone 21 and Zone 22 Hazardous (Classified) Locations – Protection by Enclosures "tD" |



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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.

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.

Markings appear on a CSA Accepted and UL Listed Adhesive-type nameplate, manufactured by 3M Type 7879EJ TT3 MS PET75-350E, thermal transfer printing using Armor AXR-8 or AXR600 printer and ink. Refer to Drawing ERUPS 09212 LAB.

The following marking details appear:

- CSA Monogram w/C US Indicator
- Manufacturer's name.
- Model designation.
- Date code or S/N.
- Electrical Input Rating, input in volts, amps, frequency.
- Hazardous location designations.
- Temperature code rating.
- Minimum and Maximum ambient temperature.
- The symbol "[Exia]" and the words "Associated Equipment/Appareillage Connexe"
- Reference to I.S. installation instructions ERUPS-Q-09212.
- Special Purpose Enclosure Rating "Type 4X"
- Ingress Rating "IP 66"
- Caution: "Do not open the enclosure while energized"
- The statement: "Warning – Potential Electrostatic Charging Hazard – Clean only with a damp cloth"
- Caution "Warning: Explosion Hazard – Substitution of components may impair suitability for use in a hazardous location". (appears on referenced Installation Drawing)
- Caution "Warning: Explosion Hazard – Do not disconnect equipment unless power has been switched off or the area is known to be non-hazardous" (appears on referenced Installation Drawing)