



# Certificate of Compliance

**Certificate:** 2629102

**Master Contract:** 220734

**Project:** 70046689


**Date Issued:** November 11, 2015

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

**Attention:** Mr. Gary Cawthorn

*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*



Issued by:   
David Holton

## PRODUCTS

**CLASS 2258 03 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations**

**Intrinsically safe associated apparatus for supply to Class I, Div. 1, Groups A, B, C, D; Class II, Div. 1, Groups E, F, G; Class III, Div. 1  
[Ex ia] IIC**

### **Non-hazardous (unclassified) location:**

Earth-Rite OMEGA II Static Earthing Unit: intrinsically safe associated apparatus with entity parameters of

$$V_{oc}/U_o = 8.61V$$

$$I_{sc}/I_o = 112mA$$

$$P_o = 241mW$$

$$C_a/C_o = 600nF$$

$$L_a/L_o = 1mH$$

when installed per installation drawing 'X Omega II cCSAus Q-13150'; ambient: -40°C to +60°C.

### **Hazardous (classified) location:**

Simple apparatus only, typically comprising a junction box and terminals, with connections to a static ground bus and simple mechanical clamps (fixed drums) or brushes (rotating drums), when installed per installation drawing 'X Omega II cCSAus Q-13150'; ambient: -40°C to +60°C.



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**CLASS 2258 83 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations - CERTIFIED TO U.S. STANDARDS**

**Intrinsically safe associated apparatus for supply to Class I, Div. 1, Groups A, B, C, D; Class II, Div. 1, Groups E, F, G; Class III, Div. 1**

**[AEx ia] IIC**

**[AEx iaD] IIIC**

**Non-hazardous (unclassified) location:**

Earth-Rite OMEGA II Static Earthing Unit: intrinsically safe associated apparatus with entity parameters of

$$V_{oc}/U_o = 8.61V$$

$$I_{sc}/I_o = 112mA$$

$$P_o = 241mW$$

$$C_a/C_o = 600nF$$

$$L_a/L_o = 1mH$$

when installed per installation drawing 'X Omega II cCSAus Q-13150'; ambient: -40°C to +60°C; indoor or protected outdoor locations only.

**Hazardous (classified) location:**

Simple apparatus only, typically comprising a junction box and terminals, with connections to a static ground bus and simple mechanical clamps (fixed drums) or brushes (rotating drums), when installed per installation drawing 'X Omega II cCSAus Q-13150'; ambient: -40°C to +60°C.

**Conditions of Acceptability:**

The following conditions are as written on the control drawing X Omega II cCSAus Q-13150:

1. The OMEGA II is an open type equipment that must be used within a suitable end-use system enclosure. The suitability of the enclosure is subject to investigation by the Local Authority Having Jurisdiction at the time of installation. If applicable, the enclosure shall have a flammability rating of V-1 minimum.
2. It is the installer's responsibility for the supply to the relay to be suitably protected in accordance with the relevant installation code.



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**APPLICABLE REQUIREMENTS**

C22.2 No. 0-M91 CAN/CSA-C22.2 No. 157-92	General Requirements – Canadian Electrical Code, Part II Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
CAN/CSA-C22.2 No. 60079-0:11	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
CAN/CSA-C22.2 No. 60079-11:11	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
CAN/CSA-C22.2 No 61010-1-12	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 1: General requirements
UL 913 (7 <sup>th</sup> Ed.)	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous (Classified) Locations
ANSI/UL 60079-0:09	Explosive atmospheres - Part 0: Equipment - General requirements
ANSI/UL 60079-11:09	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
ANSI/ISA-61241-0-2006 (R2011)	Electrical Apparatus for Use in Zone 20, Zone 21 and Zone 22 Hazardous (Classified) Locations – General Requirements
ANSI/ISA-61241-11-2006 (R2011)	Electrical Apparatus for Use in Zone 20, Zone 21 and Zone 22 Hazardous (Classified) Locations – Protection by Intrinsic Safety “iD”
UL 61010-1 Third Edition	Electrical equipment for measurement, control and laboratory use – Part 1: General requirements