



# Certificate of Compliance

**Certificate:** 70127847

**Master Contract:** 167534 (024321\_0\_000)

**Project:** 70160437

**Date Issued:** 2017-11-23

**Issued to:** MSA - The Safety Company  
1000 Cranberry Woods Dr  
Cranberry Township, Pennsylvania 16066-5296  
USA

**Attention:** Johnny Lee

*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:** Zafar Iqbal  
Zafar Iqbal

## **PRODUCTS**

CLASS - C482801 - SIGNAL APPLIANCES --Combustible Gas Detection Instruments--For Hazardous Locations

CLASS - C482881 - SIGNAL APPLIANCES--Combustible Gas Detection Instruments--For Hazardous Location-Certified to U.S. Standards

CLASS - C225203 - PROCESS CONTROL EQUIPMENT

CLASS - C225283 - PROCESS CONTROL EQUIPMENT-Certified to US Standards

Series GasGard XL Controller, input 24Vdc, 4A or 110-230Vac, 50/60Hz, 2.5A (100W); relay contacts 5A @ 240 VAC (resistive), 5A @ 30 VDC (resistive). Ambient temperature: -10 °C to + 50 °C. Installation category II, Pollution degree 2, Type 4X.

CLASS 4828 01 - SIGNAL APPLIANCES - Combustible Gas Detection Instruments - For Hazardous Locations

CLASS 4828 81 - SIGNAL APPLIANCES - Combustible Gas Detection Instruments - For Hazardous Locations-- Certified to US Standards

Series GasGard XL Controller, 8 channel (ordinary locations only), input voltage 24Vdc, 4A or 110-230Vac, 50/60Hz, 2.5A (100W); relay contacts 5A @ 240 VAC(resistive), 5A @ 30 VDC (resistive). Ambient temperature: -10 °C to + 50 °C. Installation category II, Pollution degree 2, Type 4X. Signal input must be connected to CSA certified 4-20 mA performance tested combustible transmitters.



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CLASS 4828 02 - SIGNAL APPLIANCES - Toxic Gas Detection Instruments - For Hazardous Locations  
CLASS 4828 82 - SIGNAL APPLIANCES - Toxic Gas Detection Instruments - For Hazardous Locations  
Certified to US Standards

Series GasGard XL Controller, 8 channel (ordinary locations only), input voltage 24Vdc, 4A or 110-230Vac, 50/60Hz, 2.5A (100W); relay contacts 5A @ 240 VAC(resistive), 5A @ 30 VDC (resistive). Ambient temperature: -10 °C to + 50 °C. Installation category II, Pollution degree 2, Type 4X. Signal input must be connected to 4-20 mA transmitters.

### **APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 61010-1-04	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
UL Std. No. 61010-1 (2 <sup>nd</sup> Edition)	- Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements
CSA C22.2 No.152-M1984	Combustible Gas Detection Instruments
ANSI/ISA – 12.13.01-2000 -	Performance requirements for combustible gas detectors
CAN/CSA-C22.2 No. 94.2-07 -	Enclosures for electrical equipment, environmental considerations

### **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.



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The following wordings shall appear in the Manual and on a label physically located on the equipment in a location visible at all times: “DISCONNECT THE POWER BEFORE ACCESS”

**Nameplate adhesive label material approval information:**

1. The submittor's name.
2. Model designation.
3. Electrical ratings: Input and output.
4. Date of manufacture.
5. Temperature rating.
6. The CSA Monogram with C/US subscript: .
7. The words “C22.2 No.152 for combustible gas only”
8. Relay Contact Ratings
9. Type 4x (For indoor use only)