



# Certificate of Compliance

**Certificate:** 70127519

**Master Contract:** 179619

**Project:** 70127519

**Date Issued:** 2017-04-27

**Issued to:** **Kimray Incorporated**  
52 North West 42  
Oklahoma City, Oklahoma 73118  
USA

**Attention:** Ky Longley

*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:** *Joshua Burdeshaw*  
Joshua Burdeshaw

## **PRODUCTS**

**CLASS - C225802 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations-**

**CLASS - C225882 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations - Certified to US Standards**

**Class I, Division 1, Groups B, C, D; Class II, Groups E, F, G; Class III; T6**

KEP Electric Pilot Controller, rated 10 – 30 V dc, 1.1A max, SELV/Class 2; Analog input/output: 4-20 mA; Discrete Output: 30 V dc max, 1A max; Discrete Input: Dry contact only. Ambient Temperature Range –40°C to 60°C, Enclosure Type 4X and IP66 rated

## **Conditions of Acceptability**

1. The KEP Electric Pilot Controller must be permanently connected to power supply that is certified Class 2 or SELV (Safety Extra Low Voltage).
2. Class I, Division 1 installation practices are required.



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### **APPLICABLE REQUIREMENTS**

CAN/CSA C22.2 No. 0-10	General Requirements – Canadian Electric Code, Part II
CAN/CSA C22.2 No. 61010-1-12, Third Edition	Safety requirements for electrical equipment for measurement, control, and laboratory use –Part 1: General requirements
C22.2 No. 30-M1986 (Reaffirmed 2016)	Explosion-proof enclosures for use in class I hazardous locations
C22.2 No. 25-1966 (Reaffirmed 2014)	Enclosures for Use in Class II Groups E, F, and G Hazardous Locations
CAN/CSA C22.2 No. 94.1-15	Enclosures for Electrical Equipment, Non-Environmental Considerations
CAN/CSA C22.2 No. 94.2-15	Enclosures for Electrical Equipment, Environmental Considerations
CAN/CSA C22.2 No. 60529:05 (Reaffirmed 2015)	Degrees of Protection Provided By Enclosures (IP Code)
ANSI/UL 61010-1, Third Edition	Standard for Safety Electrical equipment for measurement, control, and laboratory use –Part 1: General requirements
ANSI/UL 1203-2015, Fifth Edition	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) locations
ANSI/UL 50 (Thirteenth Edition)	Enclosures for Electrical Equipment, Non-Environmental Considerations
ANSI/UL 50E (Second Edition)	Enclosures for Electrical Equipment, Environmental Considerations
ANSI/IEC 60529-2004 (Reaffirmed 2011)	Degrees of Protection Provided By Enclosures (IP Code)

### **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.

**Method of Marking:** The following markings are provided on a 0.020” thick aluminum nameplate attached to the outside of the enclosure using non-removable fasteners in blind holes. The following marking details can be stamped, etched, silkscreened, molded or embossed on the nameplate.

1. Manufacturer’s name: “Kimray Inc.” or CSA Master Contract Number “179619”, adjacent to the CSA Mark in lieu of manufacturer’s name.
2. Model number: As specified in the PRODUCTS section above.



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3. Electrical ratings: As specified in the PRODUCTS section above.
4. Ambient temperature rating: As specified in the PRODUCTS section above.
5. Manufacturing date in MMY format, or serial number, traceable to year and month of manufacture.
6. Enclosure ratings: As specified in the PRODUCTS section above.
7. The CSA Mark with or without “C” and “US” indicators as shown on the Certificate of Conformity.
8. Hazardous Location designation: As specified in the PRODUCTS section above (may be abbreviated).
9. Temperature code: As specified in the PRODUCTS section above.
10. Terminal Designations adjacent to each field wiring terminal.
11. The ground designation “GND” or equivalent adjacent to the equipment terminal.
12. The following or equivalent words for Class I, Division 1, Groups B, C and D marked equipment:
  - a. “Open circuit before removing cover”, or “Keep cover tight while circuits are alive”.
  - b. ”WARNING” and the following or equivalent “To reduce the risk of ignition of hazardous atmospheres, conduit runs must have a seal fitting connected within 18 inches of the enclosure.”



## *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**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
70127519	2017-04-27	Original assessment and certification of the KEP Electronic Pilot controller for cCSAus certification as Class I, Division 1, Groups B, C and D, Class II, Division 1, Groups E, F and G, Class III, Tamb -40C to +60C.