



# CERTIFICATIONS

## **Safety Standards applicable to Outdoor Fire Features**

In the United States the standard governing the certification of Outdoor Fire Features is ANSI Z21.97. In Canada the standard is CSA 2.41. These standards are almost identical in scope with just a few variations between the two.

The category these standards govern is called "Outdoor Decorative Gas Appliances" and these standards apply to both Manual Ignition and Automated (Electronic Ignition) Fire Features.

In order for an Automated Fire Feature to be certified under these standards the Electronic Ignition System being used in the feature must first be certified under another set of standards. In the United States that standard is ANSI Z21.20 and in Canada that standard is CSA C22.2 No. 60730. The category these standards govern is called "Automatic Ignition Systems".

The Electronic Ignition Systems installed in all Fire by Design features have been certified in accordance with ANSI Z21.20 and CSA C22.2 No. 60730 in both 24 vac and 12 vac versions.

All Fire by Design (aka "Appliances") have been certified in accordance with ANSI Z21.97 and CSA 2.41

There are many companies in the United States and Canada that are qualified to certify gas appliances. The company we used to certify our features is LabTest Certification ([www.labtestcert.com](http://www.labtestcert.com)). Though they might not have the name recognition of other companies they are an IAS certified testing lab accredited by the Standards Council of Canada and the ANSI - ASQ National Accreditation Board.

The Electronic Ignition Systems installed in the Fire by Design features is the ONLY system on the market specifically designed for use outdoors. Competitive systems use components designed for use on indoor appliances and their lackluster performance in wind and rain compared to the TOP FIRE system is proof of their inferior design.



# Certificate of Conformity

**Certificate:** 14433-1S Rev.2

**Master Contract:** LC 1225106

**Project:** 14600


**Date Issued:** February 13, 2019

**Issued to:** Fire by Design  
3255 Pepper Lane Suite 103  
Las Vegas, Nevada  
USA 89120

**Certification System Type 3**  
(ISO / IEC 17067)

***The products listed below are eligible to bear the LabTest Certification Mark with adjacent indicators 'C' and 'US', and the subject area as shown below.***



Issued by:   
Certification Manager

## **PRODUCTS**

- **All Weather Electronic Ignition System**
- **Models:** A-SC, A-HC, SCG, HCG, XHCG, CGA-SC, CGA-HC, VFMNG, VFMLP
- **Ratings:**
  - Electrical:  
24VAC / 1.5A / 60HZ or optional 30 Vdc, 2.5A system
  - Gas Supply:  
Minimum 3.5" W.C. / Maximum 14" W.C. – Natural Gas  
Minimum 8" W.C. / Maximum 14" W.C. – Propane
  - Environmental:  
IP54  
-40°F ≤ Ta ≤ 175°F (-40°C ≤ Ta ≤ 79°C)

## **APPLICABLE REQUIREMENTS & SUBJECT AREA**

- ANSI Z21.20-2014 • CAN/CSA-C22.2 No. 60730-2-5-14: Automatic electrical controls for household and similar use — Part 2-5: Particular requirements for automatic electrical burner control systems

## **CONDITIONS OF ACCEPTABILITY**

- Intended to be used to control gas burner.
- To be used with gas burners supplied with either natural gas or propane.
- All 30 Vdc option models shall include "-30VDC" after the model names listed in above model names.

The 'C' and 'US' indicators adjacent to the LabTest Certification Mark shall signify that the product has been evaluated by an accredited laboratory to the applicable Standards respectively. The subject area shall be displayed with the LabTest Certification Mark to identify the Standard Number, and Revision Level.