



# Certificate of Compliance

**Certificate:** 2725764 **Master Contract:** 189456 (112669\_0\_000)  
**Project:** 70159203 **Date Issued:** 2017-10-11  
**Issued to:** SIT SPA  
Viale dell' Industria, 31-33  
Padova, 35129  
ITALY  
Attention: Francesco Andrezza

*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:** Yan (Grace) Gao  
Yan (Grace) Gao

## **PRODUCTS**

CLASS - C263202 - FUEL BURNING EQUIPMENT(GAS)-Gas Burners, Electrical Equipment for Accessories  
CLASS - C263282 - FUEL BURNING EQUIPMENT(GAS)-Gas Burners, Electrical-Equipment for Accessories-  
Certified to U.S. Standard

Model 0580180 BIC228 Burner Control rated: input 120Vac, 60Hz, 0.41A, 50.3VA (INC), ambient temperature 0°C to +60°C.

### 0580180 BIC228 Output loads:

Gas valve (K1, K2, K3): 120Vac, 60Hz, 2.5A  
HW, CH, System Pump1 Relay (K6, K7, K5) contacts rated 120Vac, 60Hz, 1.67A max. (inductive)  
Hot Surface Ignitor (K4): 120Vac, 60Hz, 5A max

Provided with Class 2 software version identified as 4555296 for 0580180 BIC228

Safety function	Timings (secs)
Max flame failure response time	3 sec
Pre-purge time	Configurable – range 0-1800s, 1step = 0.1s
Max trial for ignition period	configurable in the range



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	0 –255
Max lock-out time	Configurable – range 0-1800s, 1step = 0.1s

Note:

1. The subject control is certified as component for use only inside other CSA Certified equipment with suitable flame rated enclosure where the suitability of the combination is to be determined by CSA International.
2. The 120Vac to 24Vac transformer providing the power to the dry contacts is not part of this evaluation.
3. The subject control is also evaluated as temperature limiting controller for outlet and flue temperature controllers with certified redundant temperature sensors those two temperature sensors are out of scope of this certification.

**APPLICABLE REQUIREMENTS**

CSA Standards

CSA C22.2 No. 0-10 - General requirements — Canadian Electrical Code, Part II  
CSA C22.2 No. 0.8-12 - Safety functions incorporating electronic technology  
C22.2 No.199-2007 - Automatic Electrical Controls for Household and Similar Use Part 2: Particular Requirements for Automatic Burner Ignition Systems and Components - Third Edition  
CSA C22.2 No. 24-93 - Temperature-Indicating and -Regulating Equipment - Eighth edition (UPD 2)

UL Standards

UL372:2007 - Automatic Electrical Controls for Household and Similar Use – Part 2: Particular Requirements for Burner Ignition Systems and Components - Sixth Edition  
ANSI Z21.20 -2007– Automatic Electrical Controls for Household and Similar Use Part 2: Particular Requirements for Automatic Burner Ignition Systems and Components - Fifteenth Edition  
UL 873:2007 - Temperature-Indicating and -Regulating Equipment - Twelfth Edition  
UL 353:1994 - Limit Controls - Fifth Edition  
UL 1998 Edition 3 - Software in Programmable Components



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### *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>
70159203	2017-10-11	Update report 2725764 to correct few components descriptions.
2766331	2014-10-27	Update the report for minor construction changes
2725764	2014-05-28	Issue a new certificate for BIC228