



Certificate of Compliance

Certificate: 1389828

Master Contract: 190372 (114121_0_000)

Project: 70058928

Date Issued: 2016-10-28

Issued to: ACL Manufacturing Inc.
805 Main Ave W
Sundre, Alberta T0M 1X0
CANADA

Attention: Andrew Pearce

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: Andrew Redeker
Andrew Redeker

PRODUCTS

CLASS - C909801 - MISCELLANEOUS-For Hazardous Locations

CLASS - C909881 - MISCELLANEOUS-For Hazardous Locations - Certified to US Standards

Class I, Division 2, Groups A, B, C & D; Encl Type 4X, T-Code T4A, Ambient temperature: -40°C to +60°C.

Ignition Control System, Model CSC400, Input rated 12 or 24Vdc, 16A maximum, solenoid valve output rating 3A each (x6) up to max 16A input.

Class I, Division 2, Groups A, B, C & D; Encl Type 4X, T-Code T6, Ambient temperature: -40°C to +60°C.

Ignition Control System Model's ACL 3000, ACL 3500, ACL 5000, & ACL 5000R, Input rated 120/240 Vac, 50/60 Hz, 1.05A, 12.75 W or 12/24 Vdc, 2.45 W, Alarm outputs 0.5A/125 Vac, or 1.0A/24 Vdc solenoid valve rating 12 Vdc / 12 W, 24 Vdc/24W or 120 Vac/30W.

Ignition Control System Model ACL 5100, Input rated 120/240 Vac, 50/60 Hz, 0.282 A, 33.84 W or 12/24 Vdc, 0.204/0.186 A, 2.4/4.5 W.

Ignition Control System Model ACL 3200, 12/24 Vdc, 2.3A max. The total current shared with solenoid output limited to 2A.



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Ignition Control System Model ACL 5500 for one or two burners.

One burner: 120/240 Vac, 50/60 Hz, 0.306/0.156 A, 36.72/37.44 W or 12/24 Vdc, 0.206/0.139 A, 2.472/3.336 W.

Two burners: 120/240 Vac, 50/60 Hz, 0.334/0.171 A, 40.08/41.04 W or 12/24 Vdc, 0.292/0.2 A, 3.054/4.8 W.

Models ACL 5100 and ACL 5500: Alarm and solenoid valve output rating 5A/250 Vac.

All subject models: Flame Failure Response Time: 0.8 Seconds, Ignition Failure Shut-off Time: 5 seconds

Notes:

1. Investigated to ignite and prove a continuous pilot only.
2. At time of ignition, burner input not to exceed 3,500,000 BTU, trial for ignition 5 seconds.
3. Models are certified as a component of other Certified equipment where the combination is to be evaluated in the end product certification.

APPLICABLE REQUIREMENTS

CSA C22.2 No 14-13	Industrial Control Equipment
UL 508, 17 th Edition	Industrial Control Equipment
CSA C22.2 No.94-M91	Special Purpose Enclosures
UL 50, Edition 11	Enclosures for Electrical Equipment
CSA C22.2 No. 213-M1987	Non-Incendive Electrical Equipment for use in Class I Div. 2 Hazardous Locations
ANSI/ISA 12.12.01-2013	Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations
CAN/CSA E60730-1-2013	Automatic electrical controls for household and similar use - Part-1: General Requirements
ANSI Z21.20 -2014.	Automatic electrical controls for household and similar use-Part 2:
CAN/CSA C22.2 No. 60730-2-5- 2014	Particular requirements for automatic electrical burner control systems
CSA C22.2 No. 199-M89	Combustion Safety Controls and Solid-State Igniters for Gas and Oil Burning Equipment
ANSI Z21.20-2005	Automatic Gas Ignition Systems and Components