



Certificate of Compliance

Certificate: 2135997 (LR 113199)

Master Contract: 162938

Project: 2691270

Date Issued: January 29, 2014

Issued to: Siemens AG

**Berliner Ring 23
Rastatt, 76437
Germany
Attention: Mr. Hermann Hasselbach**

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.



Joseph Kwong

Issued by: Joseph Kwong, P. Eng.

PRODUCTS

- CLASS 2632 81** - FUEL BURNING EQUIPMENT(GAS)-Gas Burners, Electrical - Equipment for Accessories-Certified to U.S. Standards
- CLASS 2642 81** - FUEL BURNING EQUIPMENT(OIL)-Oil Burners, Electrical - Equipment for Accessories-Certified to U.S. Standards
- CLASS 2632 01** - FUEL BURNING EQUIPMENT (GAS) - Gas Burners, Electrical Equipment for Accessories
- CLASS 2642 01** - FUEL BURNING EQUIPMENT (OIL) - Oil Burners, Electrical Equipment for - Accessories

LMV37.4x, LMV37.8x, LMV36.5x Burner Controls, consisting of the following components:

- Basic Unit, model LMV37.4x, LMV37.8x, LMV36.5x; rated 120V, 50/60 Hz, 30W (in standby mode and without external loads) or 6.3A maximum (with external loads); where the x in the model designation may be any alpha-numeric to represent additional manufacturer related versions, with no influence to the electrical safety.

- Flame Detectors, model QRA2, QRA4, QRA10, or QRB (for intermittent duty only) may be followed by a suffix of any alpha-numeric to represent additional manufacturer related versions, with no influence to the electrical safety. For continuous operation, only ionization probes may be used.



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- Actuator, stepper motor type, model SQM33, rated 24VDC, 15 VA maximum, maximum 3 Nm torque. May be provided with additional suffix 41, 51, 52 or 55, and followed by suffix of any alpha-numeric to represent additional manufacturer related versions, with no influence to the electrical safety.

- Display and Programming Unit, model AZL2x, rated 5VDC. May be provided with additional suffix of any alpha-numeric to represent additional manufacturer related versions, with no influence to the electrical safety.

Notes:

1. The basic unit is intended to be installed inside an overall electrical and fire enclosure where the suitability of the combination of the final installation is to be determined.
2. The basic unit, actuators and flame detectors are rated for ambient temperature range in operation from -20°C to 60°C.
3. The integral fuses of the basic unit do not provide branch circuit protection.
4. The suitability of the VSD (Variable Speed Drive) shall be determined in the end use application. The PWM control inside LMV3 requires certain feedback signals from the motor. If the proper signal is not fed back to the LMV3, the control will shut down the burner, including the motor it controls. Note: this function is not intended for running overload or locked rotor protection for the fan motor.
5. The actuators are primary extra-low voltage components that are provided with a certified type cable rated at least 70°C and 300V. The suitability of the wiring connection means and the enclosure shall be determined in the end use application. It has been determined that short-circuiting of any two wires in the cable supply power to and feedback from the actuator will result in safety shutdown of the burner control system.
6. These controls provide for nonvolatile lockout, that is the control will remain in the lockout condition upon a loss of power and the subsequent restoration of power.
7. The suitability of the combination control and combustion detector shall be determined on the end-use equipment by firing tests on the end use equipment.
8. The suitability of the flame rod for the control shall be determined on the end use application. The voltage on the probe is to be considered line voltage when determining spacings.
9. The controls are intended for use on intermittent applications or continuous operation.
10. The features of the system are determined primarily by parameter settings rather than by the type of devices. The suitability of the parameter settings including timings and programming, in which the control is used for each final application, is to be determined. The LMV3 units and system components are not interchangeable between different types of plant without matching the parameter settings of the relevant plant.
11. The Model LMV36.5x may be used with or without Model AGM60 Fuel Switch where the suitability will be determined at the final application.
12. May be used in conjunction with CSA Certified and UL Recognized UV flame sensor, manufactured by "GN Electronics" P/N 5002-01, for continuous operation.

Notes:



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APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 199-M89 - Combustion Safety Controls and Solid-State Igniters for Gas and Oil Burning Equipment

UL Std No. 372 (5th Edition) - Primary Safety Controls for Gas- and Oil-Fired Appliances