



CSA INTERNATIONAL

# Certificate of Compliance

**Certificate:** 1332949

**Master Contract:** 215780

**Project:** 1895037

**Date Issued:** 2007/08/17

**Issued to:** Load Systems International Inc.  
4495 boul Wilfrid-Hamel, Suite 110  
Québec, QC G1P 2J7  
Canada  
Attention: Eric Beaulieu

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'*



**Issued by:** Wesley Van Hill, C.E.T.

**Authorized by:** Patricia Pasemko, Operations Manager

## PRODUCTS

- CLASS 2258 02** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations
- CLASS 2258 03** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non - Incendive Systems - For Hazardous Locations
- CLASS 2258 82** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards
- CLASS 2258 83** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non - Incendive - Systems - For Hazardous Locations - Certified to U.S. Standards

**CLASS 2258 03, CLASS 2258 83**

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.



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## **Class I, Groups A, B, C and D**

### **LS Product Series:**

Load Sensors, Models: Load - 4K, Load -12K, Load - 18K, Load - 30K, Load – 35K, Load - 50K, Load – 60K, Load - 100K & Load - 170K; (respectively part numbers LC004, LC012, LC018, LC030, LC035, LC050, LC060, LC100 & LC170); Intrinsically Safe; Battery operated (Three Cells, see batteries list below), rated 4.5V; Temperature Code T4.

Angle Sensor, Model: Angle, (part number LS010); Intrinsically Safe; Battery operated (Three Cells, see battery list below), rated 4.5V; Temperature Code T4.

Wind Speed Indicator, Model: Wind Sensor, (part number LS020); Intrinsically Safe; Battery operated (Three Cells, see batteries list below), rated 4.5V; Temperature Code T4

Switch Sensor, Model: A2B, (part number LS050); Intrinsically Safe; Battery operated (Four Cells, see batteries list below), rated 6.0V; Temperature Code T4.

### **Batteries List**

BatteryType	Part number	Manufacturer	Voltage per cell
C	4014	Varta	1.5V
C	PC1400	Duracell	1.5V

### **GS Product Series:**

Load Sensors, Models:GC005-CSA, GC012-CSA, GC018-CSA, GC035-CSA, GC060-CSA, GC100-CSA & GC170-CSA; Intrinsically Safe; Battery operated (One “D” Cell, see batteries list below), rated 3.6V; Temperature Code T4.

Load Transmitters, Models:GS001-CSA, GS002-CSA; Intrinsically Safe; Battery operated (One “D” Cell, see batteries list below), rated 3.6V; Temperature Code T4.

A2B Wired Transmitter, Model: GS005-CSA; Intrinsically Safe; Battery operated (One “D” Cell, see batteries list below), rated 3.6V; Temperature Code T4.

Angle Sensors, Models: GS010-XX-CSA; Intrinsically Safe; Battery operated (One “D” Cell, see batteries list below), rated 3.6V; Temperature Code T4.

Angle Length Sensor, Model: GS011-CSA; Intrinsically Safe; Battery operated (One “D” Cell, see batteries list below), rated 3.6V; Temperature Code T4.

Wind Speed Sensor, Model: GS020-CSA; Intrinsically Safe; Battery operated (One “D” Cell, see batteries list below), rated 3.6V; Temperature Code T4.



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A2B Sensor, Model: GS050-CSA; Intrinsically Safe; Battery operated (Four “C” Cells, see batteries list below), rated 6.0V; Temperature Code T4.

**Battery List**

Battery Type	Part number	Manufacturer	Voltage per cell
D	TL-5930	Tadiran	3.6V
C	PC1400	Duracell	1.5V

The variable «-CE» could be add at the end of each model, it indicates Europe’s product.

**CLASS 2258 02; CLASS 2258 82**

**Class I, Division 2, Groups A, B, C and D**

**LS Product Series:**

Display unit, Model LS420, Model LS425; Rated input 12Vdc, 500mA max.

**GS Product Series:**

Display unit, Models: GS550-CSA, GS550-07-CSA, GS550-08-CSA, GS550-09-CSA, GS550-10-CSA; Rated input 12Vdc, 1,0A max.

The variable «-CE» could be add at the end of each model, it indicates Europe’s product.

**APPLICABLE REQUIREMENTS**

CSA Standard C22.2 No. 0-M1991 - General Requirements Canadian Electrical Code Part II.

CSA Standard C22.2 No.0.4-M2004 - Bonding and Grounding of Electrical Equipment (Protective Grounding)

CSA Standard C22.2 No.142-M1987 – Process Control Equipment

CSA Standard C22.2 No. 157-M1992 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

CSA Standard C22.2 No. 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

UL Standard 508, Seventeenth Edition – Industrial Control Equipment

UL Standard 913, Sixth Edition - Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II, III,



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Division 1, Hazardous (Classified) Locations. (LS Series)

UL Standard 913, Seventh Edition - Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II, III, Division 1, Hazardous (Classified) Locations. (GS Series)

UL Standard 1604, Third Edition - Electrical Equipment for Use in Class I and II, Division 2, And Class III Hazardous (Classified) Locations.