



CSA INTERNATIONAL

# Certificate of Compliance

**Certificate:** 1194844

**Master Contract:** 210111

**Project:** 2064321

**Date Issued:** 2008/10/02

**Issued to:** Sierra Technology Corporation

2344 Gregg St  
Carson City, NV 89701  
USA

Attention: Chris Gelderman

*The products listed below are eligible to bear the CSA Mark shown*



**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 I, Groups B, C & D; Class II, Groups E, F & G; Class III; Encl Type 4:**

Model RED-1 (or 3100) Multi Spectrum Flame Detector, Input rated 15 - 32 Vdc, 82 mA max, Output Contacts rated 0.5 A @ 120 Vac, 1 A @ 24 Vdc, Ambient operating temperature -40 to 85°C. Temperature Code T5

This same equipment may be supplied marked with either the name SIERRA SAFETY TECHNOLOGY INC or SIERRA MONITOR CORP, Model numbers are shown below:



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<b>Model Number</b>	<b>Model Number</b>	<b>Base Part</b>	<b>Sierra SAFETY</b>	<b>Sierra MONITOR</b>	<b>Number</b>	<b>Description</b>	<b>Verify Relay</b>	<b>Aux. Relay</b>
RED 1 - ST	3100-01	D000-0001				Standard Multi Spectrum		
RED 1 - ST - E1	3100-02	D000-0011				Open Contacts	Closed Contacts	
RED 1 - ST - E2	3100-03	D000-0021				Closed Contacts	Open Contacts	
RED 1 - ST - E3	3100-04	D000-0031				Open Contacts	Open Contacts	
RED 1 - ST - E4	3100-05	D000-0041				Closed Contacts	Closed Contacts	
RED 1 - ST - W	N/A	D000-0101				Standard Multi Spectrum		

**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 of Electrical Equipment

CSA Standard C22.2 No. 25-M1966 - Enclosures for Use in Class II Groups E, F and G Hazardous Locations

CSA Standard C22.2 No. 30-M1986 – Explosion-Proof Enclosures for Use in Class I Hazardous Locations

CSA Standard C22.2 No. 94-M1991 - Special Purpose Enclosures

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



## *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>
2064321	2008/10/02	Update to report 1194844 to include upgraded electronics, software and documentation

### **History**

1194844 - June 5, 2001 - Original Model Certification RED-1 (or 3200) Multi Spectrum Flame Detector.

### **Supplement Notes**