



# Certificate of Compliance

**Certificate:** 2325872

**Master Contract:** 161129

**Project:** 70081615

**Date Issued:** 2016-09-29

**Issued to:** **General Monitors, Incorporated**  
26776 Simpatica Circle  
Lake Forest, California 92630  
USA  
Attention: Larry Vlagea

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



**Issued by:** *Jack Chin*  
Jack Chin

## PRODUCTS

**CLASS - C225802 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations-**

**Class I, Div. 1, Groups B, C, D; Class II, Div. 1, Groups E, F, G; Class III, Div. 1:**

**Class I, Div. 2, Groups B, C, D; Class II, Div. 2, Groups E, F, G; Class III, Div. 2:**

Model IR5500 Open Path Gas Detector, consisting of Source, P/N 329001-a and Receiver, P/N 329000-a; input rated 20-36 Vdc (24 Vdc nominal), 12 W (Source) 10 W (Receiver), with 4-20 mA, Modbus and HART communications; Relay Contact Rated 250 Vac, 8 A resistive, 30 Vdc, 8A resistive; -60 Deg. C  $\leq$  Tamb.  $\leq$  +75 Deg. C; Temperature Code T3C; Encl. Type 4X, IP66/67.

Model Code:

**IR5500 Receiver:**

329000-a

a: Output & Terminals - 1, 2, 3, 4, 9, 10, 11, 12, 25 through 33

**IR5500 Source:**

329001-a

a: Range & Terminals – 1, 2, 5, 6, 9, 10, 13, 14, 17 through 26, 29 through 34, 37



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## **APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 0-M91	- General Requirements – Canadian Electrical Code, Part II
C22.2 No. 25-1966	- Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
C22.2 No. 30-M1986	- Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CAN/CSA-C22.2 No. 94-M91	- Special Purpose Enclosures
C22.2 No. 142-M1987	- Process Control Equipment
C22.2 No. 213-M1987	- Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
CAN/CSA-C22.2 No. 60529:05	- Degrees of protection provided by enclosures (IP Code)

## **MARKINGS**

- CSA Monogram;
- Manufacturer's name;
- Model designation;
- Date code and/or Serial number;
- Electrical Input rating in volts and watts;
- Relay contact ratings (appears in referenced Installation Manual);
- Hazardous location designations;
- Temperature code rating;
- Minimum and Maximum ambient temperature;
- Special Purpose Enclosure Rating "Type 4X";
- Ingress Rating "IP 66/67";
- The statement in French and English: "WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT";
- The statement in French and English: "Seal all conduits within 18 inches of enclosure";
- The statement in French and English: "Use wiring suitable for 32 Deg. C above ambient" (Source);
- The statement in French and English: "Use wiring suitable for 16 Deg. C above ambient" (Receiver);
- The statement in French and English: "Read and understand Instruction Manual before operating or servicing".



## *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**

<b>Project</b>	<b>Date</b>	<b>Description</b>
70081615	2016-09-29	Update report 2325872 with bilingual marking labels and revised various drawings.
2558718	2012-09-21	Update to report 2325872 to cover revised construction.
2473119	2011-11-09	Update to report 2325872 to cover revised construction.
2325872	2010-09-16	Model IR5500 Open Path Combustible Gas Detector, consisting of Source, P/N 329001-1 and P/N 329001-2 and Receiver, P/N 329000-a; Suitable for Class I, Div. 2 and Expl-proof for Class I, Div. 1; Class II, Div. 1; Class III Haz. Locations; Type 4X; IP66/67.