



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

| Project | Date | Description |
|----------------|-------------|---|
| 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. |