



# Certificate of Compliance

**Certificate:** 1392050 (LR 25993)

**Master Contract:** 161129

**Project:** 70019944

**Date Issued:** January 23, 2015

**Issued to:** General Monitors, Incorporated

26806 Vista Terrace  
Lake Forest, CA 92630  
USA

Attention: Larry Vlagea

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



*Konstantin Rybalko*

**Issued by:** Konstantin Rybalko

## **PRODUCTS**

**CLASS 4828 01** - SIGNAL APPLIANCES - - Combustible Gas Detection Instruments-For Hazardous Locations

**CLASS 4828 02** - SIGNAL APPLIANCES - Toxic Gas Detection Instruments - For Hazardous Locations

Class I, Div 1&2, Groups B, C & D; Class II, Div. 1&2, Groups E, F and G; Class III:

Exd ia IIB+H2 T5

TS4000 System consists of one (1) Model TS4000, Base Unit Input rated: 24V dc, 3Watts, Encl. Type 4X, Relay Contact Ratings 8A @ 30VDC Resistive max, 8A @ 250-VAC, with RS-485 communication and one (1) integral or remote mounted Model TS4000 Interface Module, Input rated: 24V dc nom., 1 W max.

Base Unit: 46066-a

a: 1,2, 7, 8

Interface Module: 46100-1

TS4000H System consists of one (1) Model TS4000H, Base Unit Input rated: 24V dc, 3Watts, Encl. Type 4X, Relay Contact Ratings 8A @ 30VDC Resistive max, 8A @ 250-VAC, with HART and RS-485 communication and one (1) integral or remote mounted Model TS4000H Interface Module, Input rated: 24V dc nom., 1 W max.



**Certificate:** 1392050 (LR 25993)

**Master Contract:** 161129

**Project:** 70019944

**Date Issued:** January 23, 2015

---

Base Unit: 46113-a

a: 1, 2, 5, 6, 9, 10, 13,14, 17 through 24

Interface Module: 46100-1

HVS4000 System consists of one (1) Model HVS4000, Base Unit Input rated: 24V dc, 3Watts, Encl. Type 4X, Relay Contact Ratings 8A @ 30VDC Resistive max, 8A @ 250-VAC, with RS-485 communication and one (1) integral or remote mounted Model HVS4000 Interface Module, Input rated: 24V dc nom., 1 W max.

Base Unit: 46066-a

a: 3,4,9,10

Interface Module: 46100-2

HVS4000H System consists of one (1) Model HVS4000H, Base Unit Input rated: 24V dc, 3Watts, Encl. Type 4X, Relay Contact Ratings 8A @ 30VDC Resistive max, 8A @ 250-VAC, with HART and RS-485 communication and one (1) integral or remote mounted Model HVS4000H Interface Module, Input rated: 24V dc nom., 1 W max.

Base Unit: 46113-a

a: 3, 4, 7, 8, 11, 12, 15, 16

Interface Module: 46100-2

### **APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 0-M91 - General Requirements – Canadian Electrical Code, Part II

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

CSA Std C22.2 No. 94-M91 - Special Purpose Enclosures

CSA Std C22.2 No. 142-M198 - Process Control Equipment

CSA Std C22.2 No.157-92 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

CSA Std C22.2 No.25-1966- Enclosures for Use in Class II, Groups E, F and G Hazardous Locations



**Certificate:** 1392050 (LR 25993)

**Master Contract:** 161129

**Project:** 70019944

**Date Issued:** January 23, 2015

---

### **MARKINGS**

Model TS4000, TS4000H, HVS4000 or HVS4000H Base Unit:

- CSA Monogram;
- Submitter identification;
- Model number
- Serial number, date code or month and year of manufacture;
- Electrical rating;
- Hazardous location designation;
- Warning re read and understand manual;
- The words “DO NOT OPEN WHEN AN EXPLOSIVE GAS ATMOSPHERE IS PRESENT” and “ DO NOT OPEN WHILE ENERGIZED”
- Enclosure Rating Type 4X.
- Ambient Temperature

Model TS4000, TS4000H, HVS4000 or HVS4000H Interface Module:

- CSA Monogram;
- Submitter identification;
- Model number
- Serial number, date code or month and year of manufacture;
- Electrical rating;
- Hazardous location designation;
- Warning re read and understand manual;
- Ambient Temperature