



Certificate of Compliance

Certificate: 1158726 (LR 25993)

Master Contract: 161129

Project: 70006256

Date Issued: July 24, 2014

Issued to: General Monitors, Incorporated

26776 Simpatica Circle

Lake Forest, CA 92630

USA

Attention: Larry Vlagea

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



Glenn Black

Issued by: Glenn Black

PRODUCTS

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

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

CLASS 4828 01

Class I, Div. 1, Groups B, C and D; T6

Intelligent Sensor, Combustible Gas, Model S4000C, Stationary, Input rated 24 V dc, 7 W Max; Output rated 0-22 Ma, relay contacts rated 8A, 250V ac or 8A, 30V dc resistive, Encl. Type 4X with remote sensor. Ta = -40°C to +75°C. May be used with sensors: p/n 10001-1, 10001-1R, 10014-1, 10015-1, 10022-1, 10058-1, 10058-1R, 10059-1, 10164-1, 11159-1, 11159-1L, 11159-2 or 11159-2L. May be used with Portable Purge Calibrator p/n 1400150-X and remote junction box p/n 10252.

Part number: 31140-a

a: 1, 2, 9, 10 which denotes relay options and field wiring termination.

Intelligent Sensor, Combustible Gas, Model S4000CH, Stationary, Input rated 24 V dc, 7 W Max; Output rated 0-22 Ma, relay contacts rated 8A, 250V ac or 8A, 30V dc resistive, Encl. Type 4X with remote sensor. Ta = -40°C to +75°C. May be used with sensors: p/n 10001-1, 10001-1R, 10014-1, 10015-1, 10022-1, 10058-1, 10058-1R, 10059-1, 10164-1, 11159-1, 11159-1L, 11159-2 or 11159-2L. May be used with Portable Purge Calibrator p/n 1400150-X or Automatic Remote Gas Calibrator p/n 80155 and remote junction box p/n 10252.



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Sensors 11159-2, 11159-2L may be used in an ambient of -40°C to +200°C when installed remotely with junction box p/n 10252 with a T2B temperature code.

Part number: 32425-a

a: 1, 2, 9, 10, 13, 14, 17, 18, 21 through 28, 37 through 44 which denotes relay options, field wiring termination, HART and Modbus combinations, material and color of enclosure.

Ex d IIB + H2 Gb

Intelligent Sensor, Combustible Gas, Model S4000CH, Stationary, Input rated 24 V dc, 7 W Max; Output rated 0-22 Ma, relay contacts rated 8A, 250V ac or 8A, 30V dc resistive, Encl. Type 4X with remote sensor. Ta = -40°C to +70°C, T5. May be used with sensors: 11159-1, 11159-1L, 11159-2 or 11159-2L. May be used with Portable Purge Calibrator p/n 1400150-X, Automatic Remote Gas Calibrator p/n 80155 and remote junction box p/n B13-020, p/n B13-021 or p/n B13-022 with sensors, area classification and temp. codes as follows:

Junction Box, p/n B13-020 (Ex ed, IIC Gb) with sensors 11159-1, 11159-1L. Ta = -40°C to +75°C, T4

Junction Box, p/n B13-021 (Ex ed, IIC Gb) with sensors 11159-2, 11159-2L. Ta = -40°C to +180°C, T2

Junction Box, p/n B13-022 (Ex ed, IIC Gb) with sensors 11159-1, 11159-1L. Ta = -40°C to +120°C, T3

Part number: 32425-a

a: 1, 2, 9, 10, 13, 14, 17, 18, 21 through 28, 37 through 44 which denotes relay options, field wiring termination, HART and Modbus combinations, material and color of enclosure.

CLASS 4828 02

Class I, Div. 1, Groups B, C and D; T6

Intelligent Sensor, H₂S Gas, Model S4000T, Stationary, Input rated 24 V DC, 7 W Max; Output rated 0-22 Ma, relay contacts rated 8A, 250V ac or 8A, 30V dc resistive, Encl. Type 4X with remote sensor. Ta = -40°C to +75°C. May be used with sensors: Part No 50445-1, -5, -9 or 50448-1, -5, -9 or 50454-1, -5, -9 or 50457-1, -5, -9, or 51457-1, -5, -9 or 51457-1L, -5L, -9L.

Part number: 31180-a

a: 1, 2, 9, 10 which denotes relay options and field wiring termination.



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Intelligent Sensor, H₂S Gas, Model S4000TH, Stationary, Input rated 24 V DC, 7 W Max; Output rated 0-22 Ma, relay contacts rated 8A, 250V ac or 8A, 30V dc resistive, Encl. Type 4X with remote sensor. Ta = -40°C to +75°C. May be used with sensors: Part No 50445-1, -5, -9 or 50448-1, -5, -9 or 50454-1, -5, -9 or 50457-1, -5, -9, or 51457-1, -5, -9 or 51457-1L, -5L, -9L. May be used with Portable Purge Calibrator p/n 1400250-X or Field Calibrator p/n 50000-X, Automatic Remote Gas Calibrator p/n 80155 and remote junction box p/n 10252.. Part number: 32426-a

a: 1, 2, 9, 10, 13, 14, 17, 18, 29 through 36, 53 through 60, 69 through 72 which denotes relay options, field wiring termination, HART and Modbus combinations, material and color of enclosure.

Intelligent Sensor, H₂S Gas, Model S4500TH, Stationary, Input rated 24 V DC, 7 W Max; Output rated 0-22 Ma, relay contacts rated 8A, 250V ac or 8A, 30V dc resistive, Encl. Type 4X with remote sensor. Ta = -40°C to +75°C. May be used with sensors: Part No 61457-1. May be used with Portable Purge Calibrator p/n 1400250-X or Field Calibrator p/n 50000-X, Automatic Remote Gas Calibrator p/n 80155 and remote junction box p/n 10252. Part number: 324060-a

a: 1, 2, 9, 10, 13, 14, 17, 18, 29 through 36, which denotes relay options, field wiring termination, HART and Modbus combinations and material of enclosure.

Ex d IIB + H₂ Gb

Intelligent Sensor, H₂S Gas, Model S4000TH, Stationary, Input rated 24 V DC, 7 W Max; Output rated 0-22 Ma, relay contacts rated 8A, 250V ac or 8A, 30V dc resistive, Encl. Type 4X with remote sensor. Ta = -40°C to +70°C, T5. May be used with sensors: Part No. 51457-1, -5, -9 or 51457-1L, -5L, -9L. May be used with Portable Purge Calibrator p/n 1400250-X, Field Calibrator p/n 50000-X, Automatic Remote Gas Calibrator p/n 80155 and remote junction box p/n B14-020 with area classification and temp. codes as follows:

Ex ed, IIC Gb with Ta = -40°C to +75°C, T4.

Part number: 32426-a

a: 1, 2, 9, 10, 13, 14, 17, 18, 29 through 36, 53 through 60, 69 through 72 which denotes relay options, field wiring termination, HART and Modbus combinations, material and color of enclosure.

Intelligent Sensor, H₂S Gas, Model S4500TH, Stationary, Input rated 24 V DC, 7 W Max; Output rated 0-22 Ma, relay contacts rated 8A, 250V ac or 8A, 30V dc resistive, Encl. Type 4X with remote sensor. Ta = -40°C to +70°C, T5. May be used with sensors: Part No 61457-1. May be used with Portable Purge Calibrator p/n 1400250-X, Field Calibrator p/n 50000-X, Automatic Remote Gas Calibrator p/n 80155 and remote junction box p/n B14-020 with area classification and temp. codes as follows:



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Ex ed, IIC Gb with Ta = -40°C to +75°C, T4. Part number: 324060-a

a: 1, 2, 9, 10, 13, 14, 17, 18, 29 through 36, which denotes relay options, field wiring termination, HART and Modbus combinations and material of enclosure.

APPLICABLE REQUIREMENTS

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|---|---|--|
| 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 |
| CAN/CSA-C22.2 No.94-M91 | - | Special Purpose Enclosures |
| CSA Std C22.2 No.142-M1987 | - | Process Control Equipment |
| CSA Std C22.2 No.152-M1984 | - | Combustible Gas Detection Instruments |
| CAN/CSA-C22.2 No. 60079-0:11 | - | Explosive Atmospheres - Part 0: Equipment - General requirements |
| CAN/CSA-C22.2 No. 60079-1:11 enclosures "d" | - | Explosive Atmospheres – Part 1: Equipment protection by flameproof |
| CAN/CSA-C22.2 No. 60079-7:12 safety "e" | - | Explosive Atmospheres – Part 7: Equipment protection by increased |
| CAN/CSA-C22.2 No. 60079-29-1:12 | - | Explosive atmospheres - Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases |