



Certificate of Compliance

Certificate: 1746881 (LR 64969)

Master Contract: 167534

Project: 2481469

Date Issued: January 6, 2012

Issued to: Mine Safety Appliances Company
North American Division
1000 Cranberry Woods Dr
Cranberry Township, PA 16066-5296
USA
Attention: Warren Bennett

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



Chris Burchett

Issued by: Chris Burchett

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 4828 01

Class I, Groups A, B, C and D:

“Ultima XE Gas Monitor” consisting of an “Ultima XE Main” with integral “Ultima XE Sensor”, input rated 7-30V dc, 1A max., 4-20mA signal output, with optional internal relays rated 5A @ 250V ac or 30V dc. Must be used with Weatherguard P/N 10028904. May be used with CSA certified “Ultima” Calibrator and CSA certified “Ultima” Controller.

“Ultima XE Gas Monitor” System consisting of an “Ultima XE Main” input rated 7-30V dc, 1A max., 4-20mA signal output, with optional internal relays rated 5A @ 250V ac or 30V dc, for connection to a “Ultima XE Remote Sensor” with integral “Ultima XE Sensor”. Must be used with Weatherguard P/N 10028904. May be used with CSA certified “Ultima” Calibrator and CSA certified “Ultima” Controller.

“Ultima X Gas Monitor” System consisting of an “Ultima XE Main with X3 Technology”, input rated 7-30V dc, 10 W max., with optional internal relays rated 5A @ 250V ac or 30V dc; for use with up to 3 of the following: integral Ultima XE Sensor, integral Ultima XIR Gas Monitor (Class I, Groups B, C and D only), Ultima XE Remote Sensor, Ultima XIR Remote Sensor (Class I, Groups B, C and D only), Ultima XE Remote Sensor with AC Power Supply, input rated 120/240 V ac, 5 W max, Ultima XE Remote Sensor with DC Power Supply, input rated 9-30 V dc, 5 W max, Ultima XIR Remote Sensor with AC Power Supply(Class I, Groups B, C and D



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only), input rated 120/240 V ac, 5 W max, Ultima XIR Remote Sensor with DC Power Supply(Class I, Groups B, C and D only), input rated 9-30 V dc, 5 W max. Ultima XE Sensor” and “Ultima XE Remote Sensor” must be used with Weatherguard P/N 10028904. Environmental Guard p/n 10041265 may be used with Ultima XIR Gas Monitor and XIR remote sensor. May be used with CSA certified “Ultima” Calibrator and CSA certified “Ultima” Controller.

Class I, Groups B, C and D:

“Ultima XE Gas Monitor” consisting of an “Ultima XE Main” with integral “Ultima XIR Gas Monitor”, input rated 7-30V dc, 1A max., 4-20mA signal output, with optional internal relays rated 5A @ 250V ac or 30V dc. May be used with CSA certified “Ultima” Calibrator, CSA certified “Ultima” Controller and Environmental Guard p/n 10041265.

“Ultima XE Gas Monitor” System consisting of an “Ultima XE Main” input rated 7-30V dc, 1A max., 4-20mA signal output, with optional internal relays rated 5A @ 250V ac or 30V dc, for connection to a “Ultima XIR Remote Sensor” with integral “Ultima XIR Gas Monitor”. May be used with CSA certified “Ultima” Calibrator, CSA certified “Ultima” Controller and Environmental Guard p/n 10041265.

“Ultima XI Gas Monitor”, input rated 7-30V dc, 800mA max., 4-20mA signal output. May be used with a MSA environmental Guard p/n 10041265.

CLASS 4828 02

Class I, Groups A, B, C and D:

“Ultima XE Gas Monitor” consisting of a “Ultima XE Main” with integral “Ultima XE Sensor”, input rated 7-30V dc, 1A max., 4-20mA signal output, with optional internal relays rated 5A @ 250V ac or 30V dc. Must be used with Weatherguard P/N 10028904. May be used with CSA certified “Ultima” Calibrator and CSA certified “Ultima” Controller.

“Ultima XE Gas Monitor” System consisting of a “Ultima XE Main input rated 7-30V dc, 1A max., 4-20mA signal output, with optional internal relays rated 5A @ 250V ac or 30V dc, for connection to a “Ultima XE Remote Sensor” with integral “Ultima XE Sensor”. Must be used with Weatherguard P/N 10028904. May be used with CSA certified “Ultima” Calibrator and CSA certified “Ultima” Controller.

“Ultima X Gas Monitor” System consisting of an “Ultima XE Main with X3 Technology”, input rated 7-30V dc, 10 W max., with optional internal relays rated 5A @ 250V ac or 30V dc; for use with up to 3 of the following: integral Ultima XE Sensor, Ultima XE Remote Sensor, Ultima XE Remote Sensor with AC Power Supply, input rated 120/240 V ac, 5 W max, Ultima XE Remote Sensor with DC Power Supply, input rated 9-30 V dc, 5 W max. Ultima XE Sensor” and “Ultima XE Remote Sensor” must be used with Weatherguard P/N 10028904. May be used with CSA certified “Ultima” Calibrator and CSA certified “Ultima” Controller.



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APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-10 - 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. 142-M1987 - Process Control Equipment

CSA Std C22.2 No. 152-M84 - Combustible Gas Detection Instruments

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

MARKINGS

Ultima XE Main:

- Submittor's name or trademark
- Model designation
- Complete electrical rating (amps and volts)
- Serial number traceable to month and year of manufacture
- Hazardous location designation
- The CSA Mark
- The statement: " CAUTION: KEEP COVER TIGHT WHILE CIRCUITS ARE ALIVE" and "ATTENTION: GARDER LE COUVERCLE BIEN FERME LORSQUE LES CIRCUITS SONT SOUS TENSION"
- The statement "WARNING: UNDERSTAND MANUAL BEFORE OPERATION"
- Wording regarding seal conduit within 18 inches of the enclosure
- The wording "C22.2 No.152 for Combustible only"
- The wording "Relay ratings: see manual"



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Ultima XE Sensor:

- Submitter's name or trademark
- Model designation
- Serial number traceable to month and year of manufacture
- Hazardous location designation
- The CSA Mark
- Wording regarding keep tightly closed during operation and unscrewing the sensor cap
- The wording "Conduit seal not required"

Ultima XIR Gas Monitor:

- Submitter's name or trademark
- Model designation
- Serial number traceable to month and year of manufacture
- The statement "WARNING: DO NOT OPEN ENCLOSURE. RISK OF IGNITION OF HAZARDOUS ATMOSPHERES. NO USER SERVICEABLE PARTS INSIDE."

Ultima XE Remote Sensor:

- Submitter's name or trademark
- Model designation
- Complete electrical rating (ac and dc units only)
- Serial number traceable to month and year of manufacture
- Hazardous location designation
- The CSA Mark
- The statement: " CAUTION: KEEP COVER TIGHT WHILE CIRCUITS ARE ALIVE" and "ATTENTION: GARDER LE COUVERCLE BIEN FERME LORSQUE LES CIRCUITS SONT SOUS TENSION"
- The statement "WARNING: UNDERSTAND MANUAL BEFORE OPERATION"
- The wording "C22.2 No.152 for Combustible only"



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- The wording "Detector Only: See manual

Ultima XIR Remote Sensor:

- Submitter's name or trademark

- Model designation

- Serial number traceable to month and year of manufacture

- The statement "WARNING: DO NOT OPEN ENCLOSURE. RISK OF IGNITION OF HAZARDOUS ATMOSPHERES. NO USER SERVICEABLE PARTS INSIDE."

Ultima XE Remote Sensor:

- Submitter's name or trademark

- Model designation

- Complete electrical rating (ac and dc units only)

- Serial number traceable to month and year of manufacture

- Hazardous location designation

- The CSA Mark

- The statement: " CAUTION: KEEP COVER TIGHT WHILE CIRCUITS ARE ALIVE" and "ATTENTION: GARDER LE COUVERCLE BIEN FERME LORSQUE LES CIRCUITS SONT SOUS TENSION"

- The statement "WARNING: UNDERSTAND MANUAL BEFORE OPERATION"

- The wording "C22.2 No.152 "

- Wording regarding seal conduit within 3 inches of the enclosure

- The wording "Detector Only: See manual



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Controller and Calibrator

- Submitter's name or trademark
- Model designation
- Serial number traceable to month and year of manufacture
- Hazardous location designation
- The CSA Mark
- The words " WARNING: UNDERSTAND MANUAL BEFORE OPERATION"
- The wording "C22.2 No.152 "
- Temperature Code
- The words "INTRINSICALLY SAFE"
- The word "Exia"
- The words "Warning: Substitution of components may impair intrinsic safety"