Certificate of Compliance

Certificate: 70205765 **Master Contract:** 274180

Project: 70205765 **Date Issued:** December 20, 2018

Issued to: **Honeywell Analytics Asia Pacific Co., Ltd.**
7F SangAm IT Tower,
434 Worldcup buk-ro, Mapo-gu,
Seoul
REPUBLIC OF KOREA

Attention: **Mr. Chris (Hyunmook) Kim**

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only

C US

Issued by: Oong Lee

PRODUCTS

CLASS 4828 01 – SIGNAL APPLIANCES - Combustible Gas Detection Instruments-For Hazardous Locations
CLASS 4828 81 – SIGNAL APPLIANCES - Combustible Gas Detection Instruments-For Hazardous Locations-Certified to U.S. Standards

Class I, Zone 0, A/Ex ia IIC T4 Ga
Class I, Division 1, Group A, B, C, and D T4

BW Clip4 Multi-Gas Detector, combustible and toxic gas detector, Part No. BWC4, followed by -Y or –B, followed by –N (where –Y or –B represents enclosure color Yellow or Black and where the suffix N represents country code), intrinsically safe when used with two Energizer L91 battery cells in series (AA size, 1.5 V, 3100 mAh, Li/FeS_2), Ambient Temperature -40 °C to +55 °C

Note: The US performance for detecting combustible gas has not been assessed under the CSA certification report. The use of this device in the US for combustible gas detection related safety functions is not covered by the CSA certificate.

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Conditions of Acceptability:

1. Gas detector BW Clip4 is provided with anti-static coating over the LCD window to minimize the risk of ignition due to electrostatic discharge. Periodic inspection of this coating is required to ensure no degradation, delamination, abrasions or other deformities to this surface. Care must be taken to avoid exposure to excessive heat, harsh chemicals or solvents, sharp edges and abrasive surfaces. Clean only with a damp cloth.

CLASS 4828 02 – SIGNAL APPLIANCES - Toxic Gas Detection Instruments - For Hazardous Locations
CLASS 4828 82 – SIGNAL APPLIANCES - Toxic Gas Detection Instruments - For Hazardous Locations-Certified to U.S. Standards

Class I, Zone 0, A/Ex ia IIC T4 Ga
Class I, Division 1, Group A, B, C, and D T4

BW Clip4 Multi-Gas Detector, combustible and toxic gas detector, Part No. BWC4, followed by -Y or -B, followed by –N (where –Y or –B represents enclosure color Yellow or Black and where the suffix N represents country code), intrinsically safe when used with two Energizer L91 battery cells in series (AA size, 1.5 V, 3100 mAh, Li/FeS_2), Ambient Temperature -40 °C to +55 °C

Note: The performance for detecting toxic gas has not been assessed under the CSA certification report. The use of this device for toxic gas detection related safety functions is not covered by the CSA certificate.

Conditions of Acceptability:

1. Gas detector BW Clip4 is provided with anti-static coating over the LCD window to minimize the risk of ignition due to electrostatic discharge. Periodic inspection of this coating is required to ensure no degradation, delamination, abrasions or other deformities to this surface. Care must be taken to avoid exposure to excessive heat, harsh chemicals or solvents, sharp edges and abrasive surfaces. Clean only with a damp cloth.

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APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No. 0-10 (Reaffirmed 2015)	General requirements — Canadian Electrical Code, Part II
CAN/CSA C22.2 No. 61010-1-12 (reaffirmed 2017)	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements – Third Edition
CAN/CSA C22.2 No. 60079-0:15 (Reaffirmed 2018)	Explosive atmospheres – Part 0: Equipment – General requirements – Third Edition
CAN/CSA C22.2 No. 60079-11:14 (Reaffirmed 2018)	Explosive atmospheres – Part 11: Equipment protection by intrinsic safety “i” – Second Edition
CAN/CSA C22.2 No. 60079-28:16	Explosive atmospheres – Part 28: Protection of Equipment and Transmission Systems using Optical Radiation – First edition
CAN/CSA C22.2 No. 152-M1984 (Reaffirmed 2016)	Combustible gas detection instruments – Second Edition
ANSI/UL 61010-1-2016	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements – Third Edition (April 29, 2016)
ANSI/UL 60079-0-2013 (R2017)	Explosive atmospheres – Part 0: Equipment – General requirements – Sixth Edition (October 20, 2017)
ANSI/UL 60079-11-2018	Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety “i” – Sixth Edition (March 28, 2014)
ANSI/UL 60079-28-2017	Explosive Atmospheres – Part 28: Protection of Equipment and Transmission Systems using Optical Radiation – Second Edition (December 8, 2017)
ANSI/UL 913-2015	Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, III, Division 1, Hazardous (Classified) Locations

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MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

The following markings appear on the product:

- The CSA Mark with adjacent C_US qualifiers
- Manufacturer's name or CSA Master Contract Number adjacent to CSA mark.
- The hazardous location designation (both Zone and Div)
- Temperature class
- Maximum ambient temperature range
- Model Number
- Serial Number and Year of manufacture.
- CSA certificate number : CSA18CA70205765
- "Intrinsically Safe"
- "C22.2 No.152"
- Warning – "Battery NOT replaceable"
- Warning – "Substitution of components may impact Intrinsic Safety"
- Warning – "Understand manual before operating"

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