INTERNATIONAL Testing Laboratory Inc.

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SCC Accredited **CB-P/S** ™

CERTIFICATE OF COMPLIANCE

Certificate:	INTL-202225-C03 Rev 1.0	**Project:**	INTL-202225-C03
Date Issued:	September 10, 2024	**Client Number:**	INTL-202225
Certification System:	Type 3	**Issued To:**	Protek Safety & Controls Ltd. #10, 1715 – 27th Ave NE, Calgary, AB, T2E 7E1, Canada
Certification Body:	International Testing Laboratory Inc.	**Issued By:**	*Amandeep Jathaul* Amandeep Jathaul, Certification Manager

The products listed below are eligible to bear the INTL Certification Mark with adjacent indicator 'C' and US the subject area as shown below which represents that the product has been evaluated by an accredited CB to the applicable CSA and UL standard respectively.

C **INL** US

Product Description:
- Universal Display Module with Multiple Wire Option
- Universal Separation Kit with Multiple Wire Option

Model Number:
- UDM-MWO-00X-X

- UDM-MWO-SEPKIT - This is the part number of the separation kit with multi-wiring option (2 & 3 Wire Configurations)

- UNV-SEP-KIT-004 (4 wire configuration with SEC)

- Universal Display Module UDM-MWO-00X-X; performance certified as per standard CSA C22.2 No. 60079-29-1:17/A1:22 (R2022) and UL 60079-29-1 Ed: 2 for use with following Combustible gas detector and with UDM-MWO-SEPKIT and UNV-SEP-KIT-004:
    - Sensor Electronics SEC Millenium Hawk Infrared Gas Detector.

- Universal Display Module UDM-MWO-00X-X Performance certified as per standard CSA 22.2 No. 152 for use with following Combustible gas detectors:
    - Detcon Gas sensor IR700 and FP-700.
    - Sensor Electronics Millenium Gas Sensor.

Where UDM-MWO Base part number of Universal Display Module - "Multi-Wiring Option" and 00X or X can vary as follows:
- *00X can be 001 for single channel and 002 for dual channel.*
- *X can be A that represent Analog 4-20mA Output ONLY.*
- *X can be AR that represent Analog 4-20mA & Relay Outputs*

Electrical Ratings:
- 10.5-30VDC 3W 100mA

Applicable Standards:
- CSA C22.2 No. 213-17 (R2022)
- CSA C22.2 NO. 30:20
- UL 60079-0: Seventh Edition, Dated March 26, 2019
- UL 60079-1 Seventh Edition, Dated September 18, 2015
- CAN/CSA-C22.2 No. 60079-0:2019
- CSA C22.2 No. 60079-1:16
- Applicable general safety requirements UL/CSA C22.2 No 61010-1-12-Ed.3
- CSA C22.2 No. 152 2nd Edition, 2016
- CSA C22.2 No. 60079-29-1:17/A1:22 (R2022) / UL 60079-29-1 Ed: 2

Hazardous Location Ratings:

UDM-MWO-00X-X
- Class I, Division 1, Group B, C, D T4 (Seals Required)
- Ex db IIB+H2 T4 Gb (Seals Required)
- Class I, Zone 1, AEx db IIB+H2 T4 Gb (Seals Required)
- Class I, Division 2, Group A, B, C, D T4 (No Seals Required)
- Class 1, Zone 2, Group IIC T4 (No Seals Required)
- Tamb: -55°C≤Tamb≤85°C
- IP66/Type 4X

UDM-MWO-SEPKIT
- Class I, Division 1, Group B, C, D T4 (Seals Required)
- Ex db IIB+H2 T4 Gb (Seals Required)
- Class I, Zone 1, AEx db IIB+H2 T4 Gb (Seals Required)
- Class I, Division 2, Group A, B, C, D T4 (No Seals Required)
- Class 1, Zone 2, Group IIC T4 (No Seals Required)
- Tamb: -55°C≤Tamb≤85°C
- IP66/Type 4X

UNV-SEP-KIT-004
- Class I, Division 1, Group B, C, D T4 (Seals Required)
- Ex db IIB+H2 T4 Gb (Seals Required)
- Class I, Zone 1, AEx db IIB+H2 T4 Gb (Seals Required)
- Class I, Division 2, Group A, B, C, D T4 (No Seals Required)
- Class 1, Zone 2, Group IIC T4 (No Seals Required)
- Tamb: -55°C≤Tamb≤85°C
- IP66/Type 4X

Conditions of Acceptability:
- For Class I Division 1 / Zone 1 installations, the certification label states, "Seals Are Required" so the conduit entry from the field wiring side gets sealed to meet the local electrical code.
- For Class I Division 2 / Zone 2 installations, the certification label states "No Seals Required" so the conduit entry from the field wiring side does not require a seal to be poured but must be installed to meet the local electrical code for C1D2 /Z2 installations. The certified enclosure is simply a weatherproof enclosure for these applications.
- Housing model for separation kit EX-500-AL-S-07-BL has ambient rating: -55°C≤T_{amb}≤85°C.
- Housing model for separation kit EX-500-AL-W-07-BL has ambient rating: -55°C≤T_{amb}≤85°C.

➢ Certified for use with the toxic gas detectors listed below, but not limited to:
  - Universal Display Module UDM-MWO-00X-X with Detcon Toxic Gas 700 series sensors including the DM-700, IR-700-CO2, PI-700 & TP-700.
  - Universal Display Module UDM-MWO-00X-X with Sensor Electronics Toxic 3000 series gas sensors.
➢ Universal Display Module UDM-MWO-00X-X with various manufacturer's toxic gas detectors not requiring performance testing.