

CERTIFICATE OF COMPLIANCE

Certificate:	INTL-202225-C02	Project:	INTL-202225-C02
Date Issued:	March 27, 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:	<i>Amandeep Jathaul</i> 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.



- Product/Model#:**
- Universal Display Module (UDM-00X, UDM-00X-LT)
 - Universal Separation Kit (UNV-SEPKIT-001, UNV-SEPKIT-002, UNV-SEPKIT-003 (Optional accessory) UDM-001E, UDM-002E.
 - Performance certified as per standard CSA 22.2 No. 152 for use with following Combustible gas detectors:
 - Universal Display Module UDM-001 with Detcon Gas sensor IR700 and FP-700.
 - Universal Display Module UDM-002 with Detcon Gas sensor IR700 and FP-700.
 - Universal Display Module UDM-001 with Sensor Electronics Millenium Gas Sensor
 - Universal Display Module UDM-002 with Sensor Electronics Millenium Gas Sensor.
 - 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 detectors:
 - Universal Display Module UDM-001 with Sensor Electronics SEC Millenium Hawk Infrared Gas Detector.
 - Universal Display Module UDM-002 with Sensor Electronics SEC Millenium Hawk Infrared Gas Detector.
- 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-00X
Class I Division 1 Group B, C, D T4 (Seals Required)
Ex db IIB T4 Gb (Seals Required)
Class I Zone 1 AEx db IIB 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)
 $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq 85^{\circ}\text{C}$
NEMA4X, IP66/67
- UDM-00X-LT
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)
 $-55^{\circ}\text{C} \leq T_{\text{amb}} \leq 85^{\circ}\text{C}$
NEMA4X, IP66/68
- UNV-SEPKIT-001 & UNV-SEPKIT-002
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)
 $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq 70^{\circ}\text{C}$
NEMA4X, IP66/68
- UNV-SEPKIT-003
Class I Division 1 Group A, B, C, D T4 (Seals Required)
Ex db IIC T4 Gb (Seals Required)
Class I Zone 1, AEx db IIC 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)
 $-55^{\circ}\text{C} \leq T_{\text{amb}} \leq 85^{\circ}\text{C}$
NEMA4X, IP66/68

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 8092 and 8100 has ambient rating: $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq 60^{\circ}\text{C}$.
- Housing model 8101a-b (Epoxy coated cast aluminium with window or blind cover) ambient rating is: $-55^{\circ}\text{C} \leq T_{\text{amb}} \leq 60^{\circ}\text{C}$.
- Certified for use with the toxic gas detectors listed below, but not limited to:
 - Universal Display Module UDM-001 with Detcon Toxic Gas 700 series sensors including the DM-700, IR-700-CO2, PI-700 & TP-700.
 - Universal Display Module UDM-002 with Detcon Toxic Gas 700 series sensors

including the DM-700, IR-700-CO₂, PI-700 & TP-700.

- Universal Display Module UDM-001 with Sensor Electronics Toxic 3000 series gas sensors.
- Universal Display Module UDM-002 with Sensor Electronics Toxic 3000 series gas sensors.
- Universal Display Module UDM-001 with various manufacturer's toxic gas detectors not requiring performance testing.
- Universal Display Module UDM-002 with various manufacturer's toxic gas detectors not requiring performance testing
- Universal Display Module UDM-001/UDM-002 with SEC Millenium Hawk Infrared Gas Detector.