

# UNIVERSAL DISPLAY MODULE



**UDM-002**  
(shown above)

## Description

The Universal Display Module is a single or dual channel remote display module designed to achieve remote sensor separation for up to two gas detectors. It is designed to be universal across multiple brands of gas detection allowing the user to interact with the same interface but utilize the best technology for the application within those compatible brands. The UDM is provided in an epoxy painted explosion-proof enclosure with a viewing window.

The UDM display allows the 4-20mA output signal of the attached gas detector to pass directly through it and does not interrupt or re-create that 4-20mA signal. The UDM acts as a digital signal "Master" to the attached gas detector to display the concentration from the detector plus act as the interface to access the gas detector's menu structure for calibration and some parameter configurations. Additional parameters may be found by accessing the detector directly depending on the make and model of gas detector connected.

## Specifications

### Inputs:

Detcon Model 700 Gas Detectors  
 Sensor Electronics Millenium Detectors  
 Sensor Electronics 3000 Series Detectors  
 \*Detector Models to be verified for functionality at time of quote

### Outputs:

Single Channel: 4-20mA ( 3 wire device configuration )  
 Dual Channel: 2x 4-20mA ( 4 wire device configuration )

### Power Consumption

(excluding attached Gas Sensors): <0.5 Watts at 24VDC (Normal)

### Input Voltage:

10.5-30VDC ( Determined by voltage of attached detector(s) )

### Electrical Classification:

**Certified to Canadian and U.S. Standards**  
 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°C ≤ Tamb ≤ 85°C, NEMA 4X, IP66/67  
 Conforms to CSA C22.2 No. 152 M(1984) R2016



### Operating Temperature:

-40°C to +75°C

### Environment Enclosure Classification:

NEMA 4X, IP66/67

## Features

- Mimics Gas Sensor Display (when applicable)
- Remote calibration of Gas Sensor
- Remote configuration of gas detector parameters
- Complete Diagnostic Information (varies by sensor attached)
- UDM-002 combination of detectors can be LEL/LEL, H2S/H2S, LEL/H2S, CO2/LEL, CO2/H2S, etc.**
- 4-20mA output signal pass through from gas detector

## Order Guide

Part Number	Description
UDM-001	Single channel display module
UDM-002	Dual channel display module

