

# Gas Detector

## Stand alone gas monitoring for commercial and light industrial applications

The EC-Gold Dual is ideal for any size facility where one or multiple gases need to be monitored. More than 30 years of gas detection experience has contributed to this highly functional detector.

- one or two onboard sensors (ie. CO and NO<sub>2</sub>)
- two optional remote sensors (ie. toxic, combustible, or any analog device)
- basic blind unit with common relays, RS-485 and analog output or Full-Feature model with added LCD display, buzzer and keypad



Full Feature model shown

Enmet Canada Ltd is a division of Arjay Engineering Ltd.

# EC-Gold Dual

The EC-Gold Dual offers complete flexibility in meeting your gas detection needs. The standard unit includes 3 relays. They are factory set to High, Low and fault and activated by all of the sensors. The standard 4-20 mA output can be designated to one sensor or scan all sensor inputs simultaneously to represent the highest concentration. The RS-485 Modbus communication is always available.

The Full Feature package includes a LCD display of the gas concentration, a buzzer with silence, and a keypad interface for user set-up and calibration.

## ■ Features and Benefits

- analog and relay outputs for control interface
- metal sensor guard
- top, bottom and rear conduit entry
- 3 year sensor guarantee (CO sensor)
- weekly self test on CO cell
- on-board diagnostics
- up to four sensor inputs
- remote sensor input capability
- LCD display of concentration
- LED Alarm Status indication
- Buzzer with silence
- Keypad/menu driven set-up
- Single analog output representing highest sensor concentration for easy fan speed control or logging



Plug-in connectors and easy access sensors for fast maintenance.

## ■ Technical Specifications - Control Unit

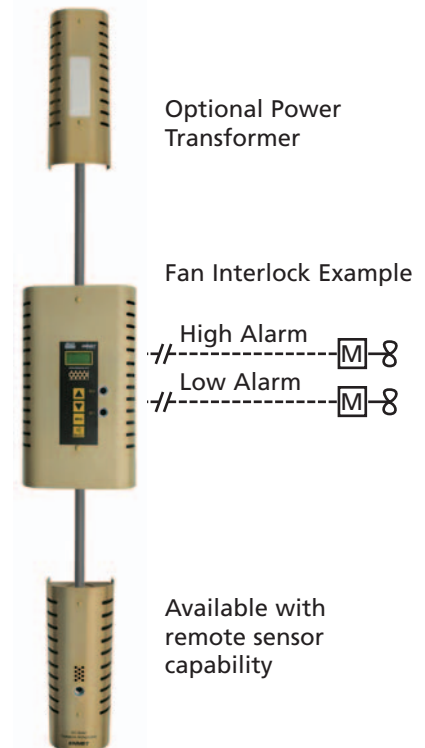
Operating Temperature	-20°C to 40°C, indoor use
Approvals to	CSA, UL
Enclosure	Nema/Type 1 (IP40)
Mounting	Surface mount
Power Input	24 vac or 24 vdc, 0.2 amp (.325 with MOS)
Relays	3xSPDT, 10 amp @ 240 vac
Analog Output	4-20 mA, 700 ohms
Communication	RS-485 Modbus

## ■ Typical Gases

- CO - Carbon monoxide
- NO<sub>2</sub> - Nitrogen Dioxide
- NH<sub>3</sub> - Ammonia
- H<sub>2</sub>S - Hydrogen Sulphide
- Cl<sub>2</sub> - Chlorine
- O<sub>2</sub> - Oxygen
- combustibles
- refrigerants



This unit can be combined with any other EC-Gold sensors to a Central Control Panel configuration.



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