

# EC-Gold

## Toxic Gas/Oxygen Transmitter

### Economical gas detection for commercial, residential and light industrial applications

The EC-Gold is part of the Arjay series of gas detection instruments. This employs electro-chemical sensors to target toxic gas or oxygen concentrations in ambient air. The unique design and flexible interface allows this transmitter to be used with any of the Arjay controllers or directly with your own site automation or control system.

- multiple outputs and communications
- robust metal housing
- wide variety of sensor options

The on-board sensor continuously monitors the ambient air by natural diffusion. The sensor responds proportionally to the gas concentration in the air. A signal is sent to the control panel or system for ventilation or alarms.



Calibration port

Metal sensor guard

Manual test button

External calibration button

# EC-GOLD

## Standard Features

- Plug-in wiring terminal block for quick installation and maintenance
- 1/2" and 3/4" knockouts, top, bottom, and back for easy installation
- LED alarm status indication including flashing fault alarm
- External calibration port for easy application of Test Gas (used with onboard CO sensor)
- Protective aluminum housing with electronics filter screen
- External push button for calibration (the user is not required to open the unit to calibrate)
- Shielded sensor port for plug-in sensors
- manual Pust-To-Test to confirm interlock of fans and alarms

## Technical Specifications

Operating Temperature	-20C to +40C, indoor use
Humidity	90% non-condensing
Approvals to	CSA, UL
Enclosure	Nema/Type 1 (IP40), 197mm x 76mm x 76mm
Mounting	Surface mount
Power Input	14-24 vdc (.1 amp)
Analog Output	4-20 mA, 700 ohms
Communication	RS-485 Modbus
Accuracy	+/- 2 % of reading

## Typical Gases

CO	carbon monoxide	0-500 ppm (factory shipped 0-200 ppm)
NO <sub>2</sub>	nitrogen dioxide	0-20 ppm
NH <sub>3</sub>	ammonia	0-100 ppm
H <sub>2</sub> S	hydrogen sulphide	0-100 ppm (factory shipped 0-10 ppm)
Cl <sub>2</sub>	chlorine	0-10 ppm
O <sub>2</sub>	oxygen	0-30%
	combustibles	
	refrigerants	

