

# IR-350

## Carbon Dioxide (CO<sub>2</sub>) Transmitter

### Cost Effective IAQ Indoor Air Quality Monitoring for Fresh Air Make-up

The IR-350 is an infrared sensor transmitter for monitoring the carbon dioxide levels in ambient air. In commercial applications, the outputs are typically interlocked with ventilation systems to control the amount of fresh air introduced to a room. Industrial applications include ventilation make-up air but may also be for alarms of CO<sub>2</sub> leaks or high concentrations from process excursions.



**Wall Mount**

- wall mount or duct mount versions
- single point calibration
- long term stable readings
- humidity sensor option



**Duct Mount**

Applications include offices, gyms, water purification plants, pools, food and beverage, greenhouses, oil and gas, etc.; anywhere carbon dioxide is stored or generated. This transmitter by DCS can be installed as a stand-alone transmitter/controller or used with the Arjay PG-2000, EC-Gold Dual or 4200-IG control panels.

# IR-350

## Standard Features

- wall and duct mount versions
- LCD display of ppm concentration standard
- relay contact and analog output standard
- optional humidity sensor with discrete analog output
- single point calibration
- NDIR non-dispersive infrared on-board sensor
- factory calibrated

## Technical Specifications

Power Input	18-28 vac/vdc, 2.5 VA
Operating Humidity	0-99 % R.H., non-condensing
Operating Temperature	0°-50°C
Signal Output	4-20 mA
Relay Output	SPST dry, 24 vac, 2.5 amp maximum setpoint at 2,000 ppm
Display	LCD of ppm concentration
Measurement Range	0-2000 ppm standard 0-5% optional
Accuracy	greater of +/- 30 ppm or +/- 2 % of reading

## RH Humidity Sensor Option

Measurement Range	0-100%
Signal Output	4-20 mA

The IR-350 is a product channel collaboration with DCS.

## Ordering Part Numbers

E90431A	Wall Mount
E90431AH	Wall Mount with Humidity Sensor
E90434B	Duct Mount
E90434BH	Duct Mount with Humidity Sensor
E90699A	0-5% Version Industrial Grade Version (no humidity or duct mount option available)
E90060A	Calibration Kit (does not include cylinder of gas)
E90344	Gas Cannister (2000 ppm CO <sub>2</sub> disposable cylinder) - one cylinder will do approximately 10 calibrations - units are factory calibrated at shipment

