

## A/CO Series CARBON MONOXIDE SENSORS Wall Mount or Duct Sampling 24 VAC or 24 VDC Power 4-20 mA, 2-10 VDC, RS-485 Outputs

Continuously monitors carbon monoxide (CO) concentrations and provides an analog or RS-485 output signal to building automation systems for control of ventilation equipment and/or alarm functions.

- Field selectable 4-20 mA, 2-10 VDC, or RS-485 output.
- Output signal span is field configurable on models with LCD<sup>1</sup>.
- Wall mount and duct sampling models available.
- Wall mount in choice of NEMA 1 or NEMA 4 enclosure.
- Optional SPDT relays and audible alarm.
- Supplied factory calibrated.
- RoHS compliant.
- Typical applications include parking garages, warehouses, kitchens, loading docks, and vehicle service garages

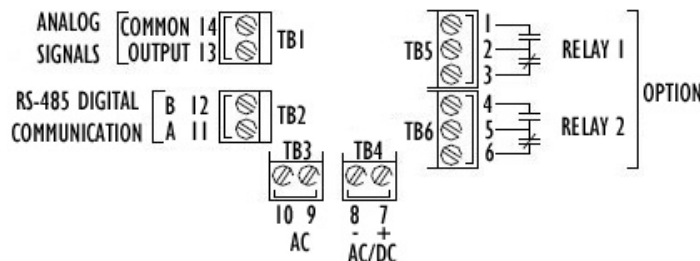


<sup>1</sup> Analog outputs of models with LCD are field assignable with on-board push button programming. Low and/or high ends of 4-20 mA and 2-10 VDC signals can be adjusted inward to any value within the original range. The sensor's 0-250 ppm operating range is then linear across the assigned span. If desired, the signal span can be configured for rising or failing gas concentrations.

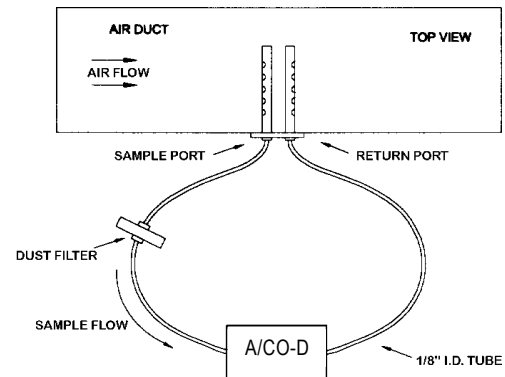
**COVERAGE AREA:** 7,500 square feet, maximum (697 m<sup>2</sup>).  
**SUPPLY VOLTAGE:** 24 VDC; 24 VAC floating; or 24 VAC one-side grounded.  
**POWER CONSUMPTION:** 100 mA nom. / 250 mA max.  
**OUTPUTS:** 4-20 mA; 2-10 VDC; digital RS-485.  
**OPERATING RANGE:** 0 to 250 ppm CO; factory calibrated for 0 to 125 ppm CO.  
**SENSOR TYPE:** Electrochemical.  
**ACCURACY:** +/-2.5% of reading.  
**REPEATABILITY:** +/-1.0% of reading.

**RESPONSE TIME:** < 60 seconds for 90% step change.  
**SENSOR LIFE:** 2 to 3 years, typical.  
**LCD (optional):** Two line 8 digit alphanumerical.  
**RELAYS (optional):** (2) SPDT Form C, 1.0 amp rating.  
**BUZZER (optional):** Rated for 85 dB at one foot.  
**OPERATING TEMPERATURE:** -4° to 104°F (-20° to 40°C).  
**OPERATING HUMIDITY:** 15 to 90%, non-condensing.  
**MOUNTING:** To standard 2" x 4" electrical box.  
**ENCLOSURE:** Polycarbonate/ABS, flame retardant.  
**DIMENSIONS:** 6.0"H x 3.5"W x 1.09"D (15.2x8.9x2.9 cm).

### WIRING CONNECTIONS



### DUCT SAMPLING



Duct sensors include mounting kit with sampling tubes, tubing, filter, and adapters.

Sensor Type	Model Number	Enclosure Type	LCD	Relays & Buzzer	CO Range	Supply Voltage	Output Signal
Wall Mount	A/CO-R	NEMA 1	No	No	0-250 ppm; factory set at 0-125 ppm	24 VAC or 24 VDC	4-20 mA, 2-10 VDC, RS-485
	A/CO-R-4X	NEMA 4					
	A/CO-R-RB-D	NEMA 1	Yes	Yes			
	A/CO-R-4X-RB-D	NEMA 4					
Duct Sampling	A/CO-D	NEMA 1	No	No			
	A/CO-D-RB-D	NEMA 1	Yes	Yes			