



CO AND NO2

Carbon Monoxide & Nitrogen Dioxide Sensors

The CO and NO2 Series transmitters monitor carbon monoxide, or nitrogen dioxide, and are designed for the continuous monitoring of vehicle exhaust in non-hazardous areas. A wide spectrum, long life electrochemical sensor measures the amount of carbon monoxide or nitrogen dioxide in the environment. Both the Room and Duct transmitters are offered in a standard NEMA 1 rated ABS Polycarbonate plastic enclosure. An optional NEMA 4X watertight and dust proof enclosure is available with the room transmitter. Other options include an LCD display with (2) SPDT Form 1C relays and a buzzer.

The CO and NO2 Series are covered by an industry-leading Two (2) Year Limited Warranty. The warranty can be found on our OEM's web site, www.workaci.com.

SPECIFICATIONS

Supply Voltage	+24 VDC or 24 VAC Floating or one side ground	
Supply Current	100 mA nominal/250 mA maximum	
Accuracy/Repeatability	+/- 2.5% of Reading/+/- 1.0% of Reading	
Operating Range (CO)	0-125 ppm (standard)/0-250 ppm (field adjustable)	
Operating Range (NO2)	0-6 ppm (factory set)/0-10 ppm (field adjustable)	
Temperature Range	-20° to 40°C (-4° to 104°F)	
Operating Humidity	15 to 90%, non-condensing, 0 to 99% Intermittent (non-condensing)	
Coverage Area	7,500 Sq. Ft. maximum	
Indicators	Two line 8 digit Alpha Numeric LCD (standard)	(2) Red LED's for Relay Status
Sensor Type	Electrochemical	
Outputs	4-20 mA, 2-10 VDC, Digital RS-485, (2) SPDT Form 1C Relay	
Response Time	Less than 60 seconds typical for a 90% step change	
Mounting Height	4 to 6' above floor (CO)/0.5 to 1.5' above floor (NO2)	
Sensor Life Span	2 to 3 years typical (under normal conditions)	
Relay Rating	(2) SPDT Form 1C rated @ 1A dry contact	
Buzzer Rating	Rated for 85 dB @ one foot	
Operating Pressure	Atmospheric +/-10%	
Product Dimensions (All CO & NO2)	(H) 6.00" (W) 3.50" (D) 1.09"	
Product Dimensions (NEMA 4X)	(H) 6.60" (W) 4.20" (D) 2.60"	

ORDERING

Select one Gas Type (A), one Housing (B) (If any "Room Mount" was selected as a Configuration (A)), one Relay/Buzzer (C) & one Display (D).

A Gas Type

- ☐ **CO-R** (Room) (Complete B, C & D)
☐ **CO-D** (Duct with Pitot Tube) (Only Complete C & D)
☐ **NO2-R** (Room) (Complete B, C & D)
☐ **NO2-D** (Duct with Pitot Tube) (Only Complete C & D)

B Housing

- ☐ ---- (NEMA 1) (Standard)
☐ **4X** (NEMA 4X)

C Relay/Buzzer

- ☐ ---- (None) (Standard)
☐ **RB** (2) (SPDT form 1C)

D Display

- ☐ ---- (No Display)
☐ **D** (LCD Display)

BUILD PART NUMBER

After completing (A), (B), (C) & (D) from the above table, fill in the Part Number Table below. An example part number is offered.

A	B	C	D

EXAMPLE: CO-D - D