

Carbon Monoxide Transmitters



ACI/CO



Product Description

The ACI/CO transmitters monitor carbon monoxide (CO) levels in industrial environments. The ACI/CO transmitters are intended to be used for the continuous monitoring of vehicle exhaust in non-hazardous areas such as underground parking facilities, service garages, ambulance parking bays, loading docks, arenas, and refrigerant machinery rooms. Guidelines provided by OSHA and the UL2034 STD rating state that current danger levels are 50 ppm on a Time Weighted Average over an 8 hour Period or 35 Minutes at a 200 ppm level. Indoor concentrations above 35 ppm indicate the need for additional ventilation.

The ACI/CO uses a wide spectrum, long life electrochemical sensor to measure the amount of Carbon Monoxide in the environment. It is

offered with a range of 0 to 125 ppm with an accuracy of +/- 2.5% of reading. The Carbon Monoxide transmitter provides a linear 4 to 20 mA or 2-10VDC output on a 4-wire system when using either an AC or DC voltage to power the transmitter.

Both the Room and Duct CO transmitters are offered in a standard NEMA 1 rated ABS/ polycarbonate plastic enclosure. An optional NEMA 4X watertight and dust proof enclosure is only available with the CO room transmitter. Other options include an LCD display, (2) SPDT Form 1C relays, and a buzzer.

All ACI/CO sensors come with a two year factory warranty. Please contact ACI for further information regarding any of these products.

Product Specifications

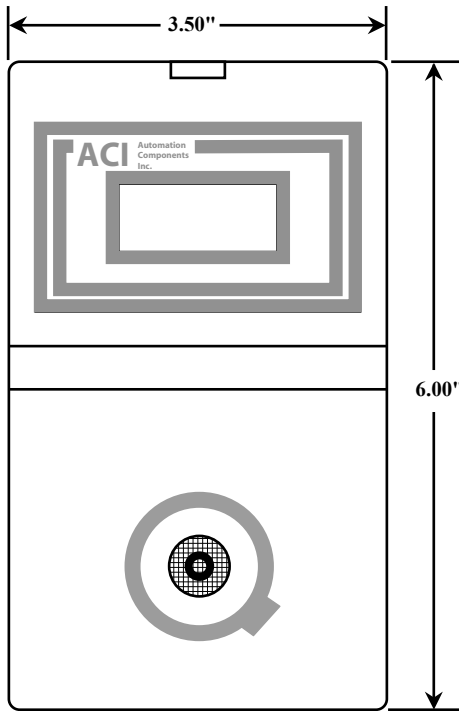
Supply Voltage	+15-40VDC 12-28 VAC Floating	Response Time	Less than 60 seconds typical for a 90% step change
Operating Range	0 to 125 ppm	Accuracy	+/- 2.5% of Reading
Coverage Area	7,500 Sq. Ft. (max)	Repeatability	+/- 1.0% of Reading
Outputs	4-20mA, +2-10VDC, Digital RS485	Mounting Height	4 to 6' above floor
Indicators	(2) Red LED's for Relay Status 2 line 8 digit Alpha Numeric LCD	Sensor Life Span	2 to 3 years typical (under normal conditions)
Sensor Type	Electrochemical	Operating Humidity	0 to 99%, non-condensing
Temperature Range	-20 to 40°C (-4 to 104°F)	Optional Relays	(2) SPDT Form 1C rated @1 Amp
Maximum Current	100mA	Optional Buzzer	Rated for 85 dB @ one foot

Dimensions

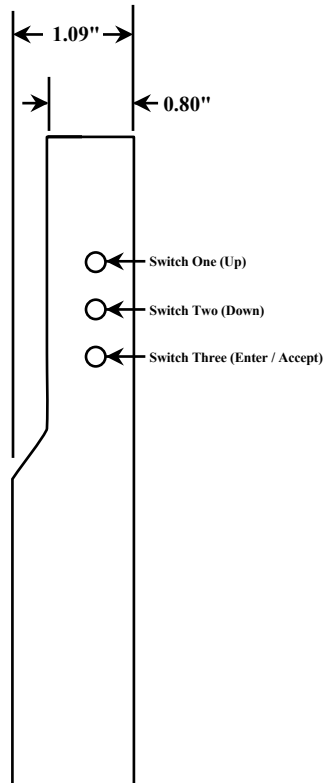
Room

All Dimensions are in Inches

Front



Right Side



Ordering Information

Model
ACI/CO -[]

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R- Room Configuration

D- Duct Configuration

R-4X - Room Configuration in NEMA 4X Housing

Cal Kit- Calibration Kit (Carrying Case, Gas Regulator, Calibration Adaptors and Calibration Gas)

Display
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() - No Display (Standard)

(LCD) - LCD Display, (2) SPDT Form 1C Relays, and Buzzer

Example: ACI/CO-R or ACI/CO-R-LCD or ACI/CO-Cal Kit