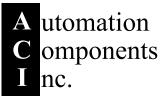
Product Data



Nitrogen Dioxide Transmitters



ACI/NO₂



Product Description

The ACI/NO₂ transmitters are intended to be used for the continuous monitoring of exhaust in non-hazardous areas such as underground parking facilities, service garages, mining environments, loading docks, arenas, and refrigerant machinery rooms. Guidelines provided by NIOSH/OSHA 1987 p. 176 state that current levels are 1 ppm (1.8mg/m3) over a 15 minute period. Indoor concentrations above 0.5 ppm indicate the need for additional ventilation.

The ACI/NO₂ uses a wide spectrum, long life electrochemical sensor to measure the amount of Nitrogen Dioxide in the environment. It is offered with a range of 0 to 10 ppm with an

accuracy of +/- 2.5% of reading. The nitrogen dioxide transmitter provides a linear 4 to 20 mA output on a 3-wire system when using a DC voltage to power the transmitter. When using AC power, the transmitter can be connected using either 3 or 4-wires. The input voltage may be either +24 VDC or 24 VAC.

Both the Room and Duct NO₂ transmitters are offered in a standard NEMA 1 rated plastic enclosure. An optional NEMA 4X rated enclosure is available upon request. All ACI/NO₂ sensors come with a two year factory warranty. Other options may be available upon request. Please contact ACI for more information regarding any of these products.

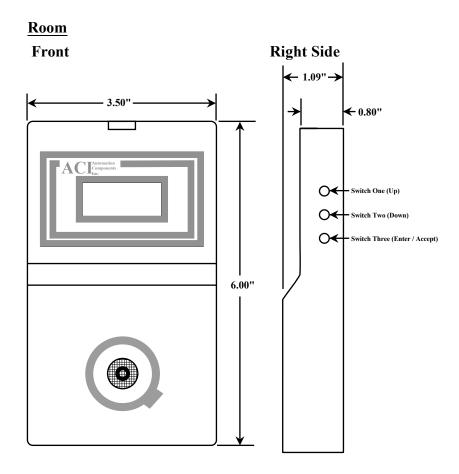
Product Specifications

Supply Voltage	+24 VDC or 24 VAC 3 wire or 4-Wire (Floating)	Response Time	Less than 60 Seconds typical for a 90% step change
Supply Current	80 mA maximum	Temperature Range	-20 to 40°C (-4 to 104°F)
Transmitter Range	0 to 10 ppm	Operating Humidity	15 to 95% non-condensing
Output	4 to 20mA, 2 to 10 VDC, or RS485 digital	Enclosure Materials	Polycarbonate/ABS blend (Fire Retardant)
Accuracy	+/- 2.5% of reading	Sensor Life Span	2 to 3 years Typical
Repeatability	+/- 1.0% of reading	Sensor Mounting Height	4 to 6' from floor
Sensor Type	Electrochemical	Approvals	CSA (Pending)
Coverage Area	5,000 to 7,500 Sq. Ft. (max)	Relay Output (Optional)	(2) SPDT Form 1C Relays @ 1A
LCD Display (Optional)	Alphanumeric 2 line x 8 Digit	Buzzer (Optional)	85 dB @ 1 Foot

2305 Evergreen Rd. Middleton Industrial Park Middleton, WI 53562

Dimensions

All Dimensions are in Inches



Ordering Information

Model Display ACI/NO₂ -[**R-** Room Configuration () - No Relay (Standard) **D-** Duct Configuration (LCD)- LCD Display, (2) SPDT Form 1C Relay, and a Buzzer

Cal Kit- Calibration Kit (Includes: (1) 58 Liter Cylinder of 6 ppm. NO₂ span test gas, (1) 58 liter cylinder gas regulator, (1) Calibration Adapter, and a carrying case)

Example: ACI/NO₂-R or ACI/NO₂-R-LCD or ACI/NO₂-Cal Kit