

## Carbon Monoxide (CO) and Nitrogen Dioxide (NO<sub>2</sub>)

### Features

- High-accuracy electrochemical cell sensor technology.
- Remote sensor/transceiver on an addressable RS-485 communication network compatible with Acme's popular CEL-Series centralized multipoint/multi-gas monitors.
- 10-Step bar-graph display of gas levels.
- NEMA 3 robust enclosure.
- Optional 0-1V DC, 0-5V DC or 0-10V DC analog output.
- Conforms with the latest International Mechanical Code.

### Applications

- Energy savings through the intermittent operation of ventilation equipment in enclosed areas
- Commercial or industrial locations where a sudden build-up of toxic gases may occur
- Car parking and bus maintenance garages, tunnels, warehouses, etc.
- Food processing and bottling plants, wastewater treatment plants, steel mills, cryogenic laboratories, incineration rooms, etc.
- Stand-alone with standard analog outputs for direct connection to the existing Building Management System (BMS) or DDCS



**T**he Acme GasPost II toxic gas sensor/transmitter measures CO and NO<sub>2</sub> gas concentrations in enclosed areas and transmits its readings to a CEL-series monitor/controller over an addressable RS-485 "Daisy-Chain" sensor network.

The GasPost II has an easy 4-wire field connection: a pair of wires from the CEL monitor/controller supplies 24V AC power to the GasPost II (via terminals 1 & 2); and another pair is used for data communication (via terminals 3 & 4).

The Gaspost II employs diffusion-type electrochemical sensors to measure CO and NO<sub>2</sub> gases. The measurement of both gases is done almost instantaneously with long term accuracy and trouble free operation.

The GasPost II offers other target gas combinations to be available soon.

With the increased use of gas detection in maintenance and industrial facilities, the Gaspost allows installers and users to meet code requirements in an economical fashion using commercial-grade gas detection equipment.

The Gaspost contains all the well-known standard features of ACME's gas detection line; a robust enclosure, the latest sensor technology and state-of-the-art electronics. For more versatile gas detection options, consult the **ACME** binder or website.

## Standard unit specifications

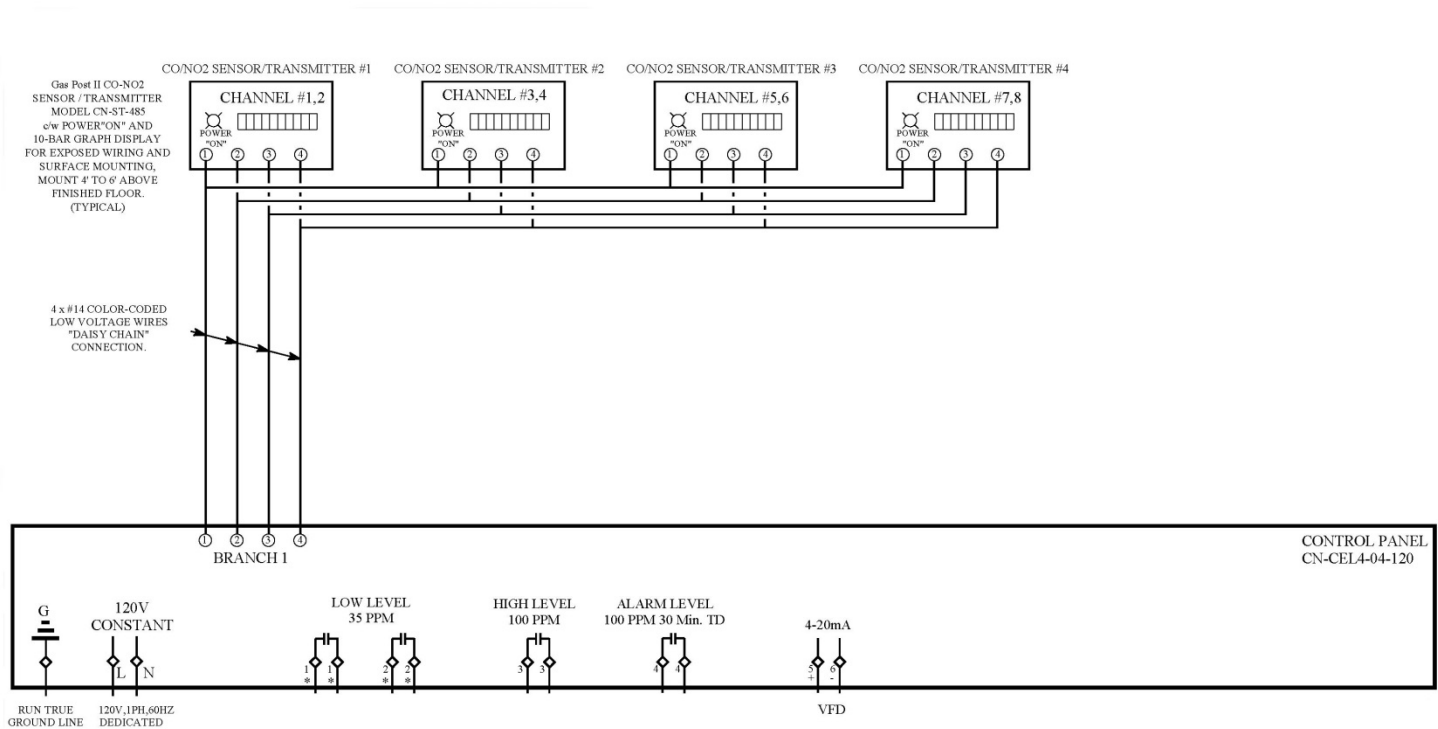
- Gases detected:** CO and NO<sub>2</sub> \*
- Sensor technology:** 3-electrode electrochemical cell
- Sensing Method:** Diffusion
- Power requirements:** 24V AC
- Outputs:** RS-485 standard
- Operating Temp.:** -4°F to 104°F (-20°C to +40°C)\*\*
- Humidity Range:** 15-90% RH
- Accuracy:** +/- 5% of calibrated value
- Repeatability:** 2% of signal
- Response Time (t90%):** <30seconds
- Expected Lifetime:** 7 years for CO  
2 years for NO2
- Enclosure:** NEMA 3  
Cast Aluminum  
Surface mounting
- Dimensions:** 7" x 5.25" x 2.25"  
(175mm x 131mm x 56mm)

## Ordering Information

MODEL NUMBER	GAS DETECTED	RANGE
CO-ST-485	Carbon Monoxide	0-200PPM
NO2-ST-485	Nitrogen Dioxide	0-10PPM
CN-ST-485	Carbon Monoxide, Nitrogen Dioxide	0-200PPM 0-10PPM

\* Other target gas combinations will be available soon  
 \*\*Extended temperature ranges available

## Typical Wiring Diagram for the GasPost II



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**rePresented by:**

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The information provided by this bulletin is a general description of ACME UNITS. All specifications are subject to change without notice.  
Installation, maintenance and other instructions provided with the equipment shall be closely followed by installers, owners and users.