



The two-wire transmitter provides maintenance-free continuous monitoring for carbon monoxide

The ToxyPoint two-wire transmitter provides continuous monitoring for carbon monoxide in ambient air. Engineered with field-proven industrial sensing and instrument technology, the ToxyPoint is maintenance-free.



User Friendly

- Zero maintenance
- No calibration
- No sensor replacement
- No downtime

Easy to Install and Operate

- Two-wire, loop-powered
- Fits into standard, single-outlet electrical box

Inexpensive to Run

- Low initial cost with competitive pricing
- No extra transformer required
- Lower electrical and heating bills with highly accurate electrochemical industrial sensor
- Power consumption only 50 mA

Security and Reliability

- Automatic full function sensor integrity test performed daily and on activation
- Improved indoor air quality (IAQ) with accurate, reliable detection of carbon monoxide

ToxyPoint is designed to reduce the overall cost of ownership with a lower initial investment, eliminating maintenance costs and minimizing building electrical operating costs. ToxyPoint delivers accurate, reliable protection from carbon monoxide by combining a carbon monoxide detector (0-500 ppm), wide supply voltage range and a linear 4-20 mA output with two factory set alarm levels and two alarm outputs. No extra transformer is required.

Special Feature

The full function sensor integrity test is a unique safety advantage of the range of equipment. The automatic daily self-test verifies sensor operation and advises the control system if the sensor is defective.

Find out more

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Technical Services


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General Specifications

Use	Mount inside a single outlet electrical box to monitor CO within a building to ensure indoor air quality		
Size	3.5 x 4.5 x 6.5 cm (1.36 x 1.75 x 2.56 in.)		
Weight	38 g (1.34 oz.)		
Cover	ToxyPoint aluminum cover mounting plate fits standard single outlet electrical box		
Power Supply	50 mA		
Supply Voltage	10 to 28 Vdc; (24 Vdc nominal)		
Power Consumption	Maximum: 24 mA @ 24 Vdc Nominal: 4 mA @ 24 Vdc Alarm Outputs O/P1 and O/P2: 0.25 A (Max) @ 24 Vdc supply		
Monitor	Two-wire, 4-20 mA CO gas transmitter with advanced microcontroller based circuitry		
Transmission Ranges	Two-wire Conductor Size	Distance	
	22 AWG 0.64 mm	2,045 m	6,712 ft.
	20 AWG 0.75 mm	3,253 m	10,953 ft.
	18 AWG 1.0 mm	5,167 m	16,953 ft.
Temperature Range	0 to 50°C (32 to 122°F)		
Measuring Range	0 - 500 ppm		
Sensor	Zero-maintenance electrochemical		
Humidity	15 to 90% non-condensing		
Calibration	Not required		
Alarm Outputs	Two (2) trigger field interface(s) (slave relay, fan, strobe, etc.) rated 250 mA at 24 Vdc		
Gas Alarms	Two (2) factory set gas alarms: Low (O/P1 - 35 ppm); High (O/P2 - 200 ppm)		
Fault Alarm	Activates both low and high alarm outputs		
Current Output	Signal output to control system (DDC, PLC etc): normal operation: 4-20 mA linear signal Self-test fail: 2 mA signal Sensor expired: 2 mA signal Over range gas alarm: 24 mA signal (maximum) Power off: 0 mA signal		
LED Indicator Advice	Power on: On No power: Off Self-test fail: fast flash (1 flash every 0.5 seconds) Life ending warning: slow flash (1 flash every 2 seconds) (Provides one month warning prior to expiry date) Operational Life Ended: Off		
Self-test	On activation (auto) and daily (auto) Verifies sensor integrity and operation		
Wire Terminations	Screw type terminals		
Warranty	Two (2) year (3 year operational life)		

Ratings and Certifications

Conforms to	 Ordinary locations International Electrical Code: IEC No. 61010 U.S. Standard: ANSI/ISA S82.01
EMI/RFI	Complies with EMC Directive 89/336/EEC

Please Note:

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