



Digital Transmitter with Electrochemical Carbon Monoxide (CO) Sensor (standard range)

Dimensions: Size Weight	5.0 x 5.0 x 3.0 in (127 x 127 x 76 mm) without optional splash guard (Option -S) 14 oz / 400 g
Construction:	Black ABS / Polycarbonate blend, water/dust tight, corrosion resistant
Sensor: Type	Electrochemical
Life Span	Approximately 3 years (application dependent)
Complies With	UL2075, 2 nd Edition, Standard for Gas and Vapour Detectors and Sensors
Gases Detected:	Carbon Monoxide (CO)
Sensor Range:	0 – 200 ppm (standard)
System Power:	4-wire: 16-30 VDC, 3W, Class 2 Peak Power Draw: 1.2 watts* 4-wire: 12-27 VAC, 50-60 Hz, 3 VA, Class 2 *add 0.15 watts for relay if installed
Operating Temperature:	0°C to +40°C (32°F to 104°F), -40°C (-40°F) with low temperature Option -LT
Operating Humidity:	15 to 90% non-condensing
Indicators:	LCD digital display, 2 line x 16 character, backlit
Communication	BACnet® MS/TP (version 1 rev 14) RS-485, or Modbus® RTU (version 1.1b3) RS-485
Relay (Option -RLY):	optional SPDT relay rated 30 volts, 2 amp max, Power Draw: 0.15 watts
Audible:	none
Minimum Detection:	2 ppm (with regular calibration maintenance of sensor)
Accuracy:	<1ppm
Repeatability:	< ±3% CO equivalent
Sensitivity Drift:	<5 % per year
Response Time:	<30 seconds
Resolution:	Display resolution 1 ppm Sensor resolution: <1 ppm
Warm Up Time:	3 minutes after power up (to full operation)
Cross Sensitivity:	H2@1000 ppm = <35ppm, NO@50ppm = <10ppm, C2H6O@200ppm = <1ppm, CL2@15 = <1ppm, C2H4@100ppm = <96ppm, C2H2@100ppm = <90ppm
Safety:	Automatic resetting thermal overload fuse (reset capabilities to 500 times)
Wiring:	VDC or VAC (ground referenced) 4-conductor shielded, 16 AWG stranded within conduit, network wiring (daisy-chain)
Sensor Mounting:	Breathing Zone - slightly lighter than air 4 to 6 ft (1.2 to 1.8 m) from finished floor
Monitoring Area:	7,000 to 10,000 ft ² / 464 to 929 m ² 40 to 56 foot / 12 to 17 meter radius, application dependent
Suggested Alarm Setpoints	Low Alarm: 25 ppm / Mid Alarm: 50 ppm / High Alarm: 100 ppm
Certifications: (tested to)	CSA: C22.2 NO.205-12 UL: UL508 (Edition 18): 2018 CE: EMC Directive 2014/30/EU, EN50270:2015, Type 1, EN61010 Sensor complies with UL2075, 2 nd Edition Listed by BTL RoHS compliant circuit boards This device complies with part 15 of the FCC Rules
Note:	Never install gas detectors in the direct path of moving air.

Rev: 2023-08