LPT-B-CH2O Transmitter

Digital (BACnet®) Transmitter with Electrochemical Formaldehyde (CH₂O) Sensor

Dimensions: Size **Weight**	5.0" X 5.0" X 2.8" (127 mm x 127 mm x 71 mm) (dimensions without optional splash guard) 5.0" X 5.0" X 3.3" (127 mm x 127 mm x 84 mm) (dimensions with optional splash guard) 14 ounces (400 g)
Construction	ABS / Polycarbonate blend, water/dust tight, corrosion resistant (meets IP54 standard with optional splash guard installed)
Sensors: Type **Life Span**	Electrochemical Approximately 2+ years in normal operation
Gases Detected	Calibrated for CH_2O
Sensor Range	0 – 5 ppm standard
System Power	3-wire: VDC: 12-30 VDC, 3-Watts 4-wire: VAC: 12-27VAC, 3-VA
Temperature	-20°C to +50°C (-4°F to 122°F), -40°C (-40°F) with LCD heater option
Humidity	15 to 90% non-condensing
Indicators	LCD digital display, back lit, 128 X 64 pixel graphic
Signal	BACnet® MS/TP
Relay:	One dry contact relay rated 2-amps @ 30v S.P.D.T.
Audible:	Internal audible alarm (user controlled)
Minimum Detection	0.1 ppm (with regular calibration maintenance of sensor)
Repeatability	< 2% (with regular calibration maintenance of sensor)
Accuracy	+/- 5% of range @ STP (with regular calibration maintenance of sensor)
Response time	<40 seconds T_{60}
Resolution	0.01 ppm
Warm Up Time	3-minutes after power up (to 80% of range). Warm up time dependent upon how long sensor has been without power. Long periods may require a 6+ hour warm up to meet published specification
Cross Sensitivity	Carbon Monoxide (CO) 10%-18%, Hydrogen (H2) 1%-3%
Fusing	Automatic resetting thermal overload fuse (reset capabilities to 500 times)
Wiring	4-wire VAC/VDC, 16 awg, 4-conductor shielded network wiring (daisy chain)
Sensor Mounting	Slightly heavier than air
Monitoring Area	3000 sq. ft. (application dependent)
Certifications	CSA: C22.2 NO.205-12 UL: UL508 (Edition 17): 2007 CE: EMC Directive 2004/108/EC, EN50270:2006, Type-1 & EN61010 FCC Listed by BTL
Note	Never install gas detectors in the direct path of moving air.

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