PRODUCT SPECIFICATION

LPT-A-CC2H2 Transmitter

Analog Transmitter with catalytic combustible sensor calibrated - Acetylene (C_2H_2)

	Standard Enclosure
Dimensions: Size **Weight**	5.0" X 5.0" X 2.4" (127 mm x 127 mm x 60.96 mm) (dimensions with optional splash guard) 14 ounces (400 g)
Construction	ABS / Polycarbonate blend, water/dust tight, corrosion resistant (designed to meet IP54 standard)
Sensors: Type **Life Span**	Catalytic Approximately 5 years
Gases Detected	Calibrated for C_2H_2 but also detects many other combustible gases
Sensor Range	0 – 100% LEL 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	5 to 95% non-condensing
Indicators	LCD digital display, back lit, 128 X 64 pixel graphic
Signal	Current: Linear 4-20 mA (maximum 216 ohm load, wiring plus termination resistor @ 12VDC) Maximum 316 ohm load, wiring plus termination resistor @ 12VAC Voltage: 0-10 Volt, Minimum 1k ohm load
Minimum Detection	1% LEL (with regular calibration maintenance of sensor)
Repeatability	< +/- 3% (with regular calibration maintenance of sensor)
Accuracy	+/- 5% of range @ STP (with regular calibration maintenance of sensor)
Response time	<50 seconds T_{90}
Resolution	1% LEL
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	All common flammable gases
Fusing	Automatic resetting thermal overload fuse (reset capabilities to 500 times)
Wiring	VDC or ground referenced VAC, 3-conductor shielded 18 awg stranded VAC 4-conductor shielded 18 awg stranded
Sensor Mounting	Slightly lighter than air
Monitoring Area	3000 sq. ft. (application dependent)
Certifications	CSA: C22.2 NO.205-M1983 (R2009) UL: UL508 (Edition 17): 2007 CE: EMC-EN50270:2006, Type-1 & EN61000-4-2 to 11 FCC
Note	Never install gas detectors in the direct path of moving air.

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