

Carbon Monoxide Sensor

Accessory for HVAC/R

Automated Logic's Carbon Monoxide Sensor offers enhanced electrochemical sensing with outstanding accuracy at low concentrations. This unit features a ventilated Box and is ideal for parking ramps, equipment rooms and warehouses.

The sensor has field selectable CO ranges of 0 to 100, 0 to 200, 0 to 300 and 0 to 500 ppm. It also has field selectable outputs of 0 to 5, 1 to 5, 0 to 10, 2 to 10 VDC and 3-wire 4 to 20 mA output. The large LCD is backlit for 10 seconds after any button push.

Two independent SPDT alarm contacts switch at field selectable CO concentrations of 25, 35, 50, 100 and 200 ppm. An alarm timer can hold the output relays on for one to ten minutes after the CO level has fallen below 80% of setpoint. This allows additional fan run time to be sure that the CO has been purged.

The field replaceable sensor element lasts approximately 7 years and is self tested daily.



Part Number	Description
NSB-CO-V-BB-A	Rough Service Carbon Monoxide Sensor in a Ventilated Box
NSB-COS-A	Factory Calibrated Replacement CO Module



The WebCTRL® building automation system gives you the ability to understand your building operations and analyze the results. The WebCTRL system integrates environmental, energy, security and safety systems into one powerful management tool that allows you to lower energy consumption, increase occupant comfort, and achieve sustainable building operations. Our web-based platform allows building managers to control and access information about their HVAC, lighting, central plant and critical processes on premises or remotely at any time of day.



Carbon Monoxide Sensor

Specifications

Sensing Element Accuracy:

<200ppm = $\pm 3\%$ FS, 32 to 122°F (0 to 50°C)

201 to 500 ppm = $\pm 5\%$ FS, 50 to 122°F (10 to 50°C)

Field Selectable Ranges: 0 to 100, 0 to 200, 0 to 300, and 0 to 500 ppm

Power Supply:

18 to 28 VAC, 7.2 VA Max

18 to 40 VDC, 180 mA Max

Alarm Relays:

2 Independent, Dry SPDT (Form C)

2 Amps at 24 VAC/DC, Resistive

140 VA Inrush, 48 VA Holding at 24 VAC

Environmental Operating Range: 14 to 122°F (-10 to 50°C) • 5 to 95%RH Noncondensing

Field Wiring Terminals: Pluggable Screw Terminals, 14 to 24 AWG

Response Time: <80 seconds from 10% to 90% of range

Alarm Relay Setpoints: 25, 35, 50, 100 or 200 ppm

Alarm Timer: 0, 1, 5 and 10 minutes

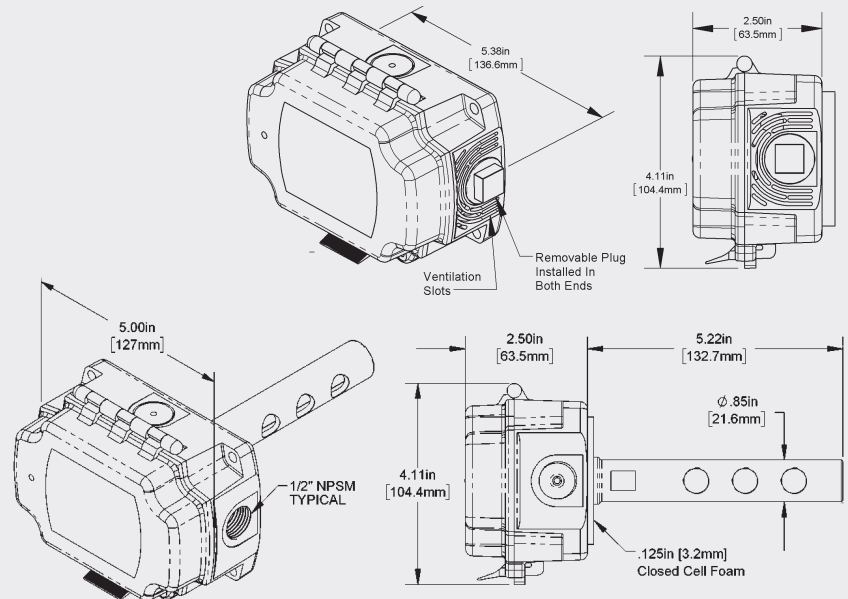
Sensor Element Life: 7 years typical

Field Selectable Outputs:

3-wire 4 to 20 mA

0 to 5, 1 to 5, 0 to 10, 2 to 10 VDC

Certifications: RoHS and CE



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