

CARBON MONOXIDE DETECTOR **CMD5B1** Series

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The CMD Series carbon monoxide detector uses an electrochemical sensor to monitor the carbon monoxide level and outputs a 4-20 mA signal. The standard product features a 2-wire loop-powered output. Optionally, the device may be configured with an alarm relay and operates in 3-wire sourcing mode. Optional Modbus communications output is available

SPECIFICATION:

SPECIFICATIC	NIN:
Measurement	
Sample Method	
Measurement Range	Analog : 0-300 ppm
	Modbus: 0-500 ppm
Accuracy	± 5 ppm or $\pm 5\%$ of reading
	(whichever is greater)
	@ 0-50°C (32-122°F), 15-95% RH
Agency Approvals	Sensor is UL Recognized for ANSI/UL-2034
	and UL-2075, E240671
	20-50°C (-4-122°F), 15-95% RH,
Stability	
	< 35 seconds for 90% step change
Life Expectancy	
Typical Coverage Area	700 m ² (7500 ft ²) or 15 m (50 ft) radius
	Screw terminal block (14 to 22 AWG)
Dimensions	
	(2.8" x 4.1" x 1.8")
	ABS - UL94-V, IP65 (NEMA 4X)
Non Relay Model:	
Power Supply	Analog: 24 Vdc ±20% or 24 Vac ±10%
	(non-isolated half-wave rectified)
	Modbus: 24 Vdc ±20%
Consumption:	3
	Modbus: 35 mA max
	4-20 mA (loop-powered w/ 24 Vdc)
	550 ohms max @ 24 Vac/dc
	able with Modbus Communications)
Power Supply	24 Vdc ±20% or 24 Vac ±10%
Commention	(non-isolated half-wave rectified)
Consumption	
Output Signal	5
	550 ohms max @ 24 Vac/dc Form C contacts (N.O. and N.C.)
Relay Contacts	5 Amps @ 250 Vac, 5 Amps @ 30 Vdc
Delay Trip Deint	25, 60 or 150 ppm, jumper selectable
Relay Hysteresis	
Options:	
	Modbus Communications
	(Refer to Installation Instructions for
	detailed specifications on Modbus)
	actanca specifications on mousus)

TYPICAL INSTALLATION:

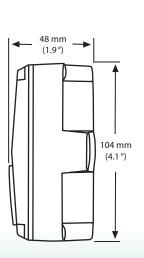
For complete installation and wiring details, please refer to the product installation instructions.

The enclosure should be mounted on a flat surface 1-1.5 m (3-5') from the floor of the area to be controlled. Do not mount the sensor near doors, opening windows, supply air diffusers or other known air disturbances. Avoid areas with vibrations or rapid temperature changes.

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	<	85 mm (3.4 ") 71 mm (2.8 ")	
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PART NUMBER SELECTED

MODEL Product Description

PRODUCT SELECTION INFORMATION:

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CMD	5B1	Wall/Surface Mount Carbon Monoxide Detector		
		CODE	Relay Op	tion
	000 No Relay 100 With Relay (Not available with Modbus Communication)		y (Not available with Modbus Communications)	
			CODE	Options
			MOD	Modbus Communications
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Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

COMPLIANT

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CMD5B1-SUB-001

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