

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	Diffusion			
Measurement Range	Analog : 0-300 ppm			
	Modbus: 0-500 ppm			
Accuracy	\pm 5 ppm or \pm 5% of reading			
	(whichever is greater)			
	@ 0-50°C (32-122°F), 15-95% RH			
Agency Approvals	Sensor (Nemoto Model NAP505R) is UL			
	Recognized for ANSI/UL-2034			
	and UL-2075, E240671			
Operating Conditions	20-50°C (-4-122°F), 15-95% RH,			
Stability				
	< 35 seconds for 90% step change			
Life Expectancy	5-7 years in air			
Typical Coverage Area	700 m ² (7500 ft ²) or 15 m (50 ft) radius			
	Screw terminal block (14 to 22 AWG)			
Dimensions	71 w x 104 h x 46 d mm			
	(2.8" x 4.1" x 1.8")			
Enclosure	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:	Analog: 20 mA max			
	Modbus: 35 mA max			
Output Signal	4-20 mA (loop-powered w/ 24 Vdc)			
Output Drive Capability.	550 ohms max @ 24 Vac/dc			
Relay Model: (Not available with Modbus Communications)				
Power Supply	24 Vdc ±20% or 24 Vac ±10%			
	(non-isolated half-wave rectified)			
Consumption	50 mA max			
Output Signal				
Output Drive Capability.	550 ohms max @ 24 Vac/dc			
Relay Contacts	Form C contacts (N.O. and N.C.)			
	5 Amps @ 250 Vac, 5 Amps @ 30 Vdc			
Relay Trip Point	25, 60 or 150 ppm, jumper selectable			
Relay Hysteresis	3% or 9 ppm			
Options:				
Optional Output	Modbus Communications			
	(Refer to Installation Instructions for			
	detailed specifications on Modbus)			

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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PART NUM	ИBER	SELECTED)

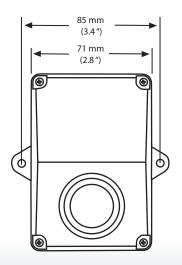
PRODUCT SELECTION INFORMATION: MODEL Product Description

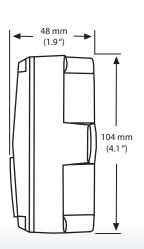
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	CMD	5B1	Wall/Surf	all/Surface Mount Carbon Monoxide Detector				
			CODE	Relay Op	tion			
			000 100	No Relay With Relay (Not available with Modbus Communications)				
				CODE	Options			
				MOD	Modbus Communications			
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Greystone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

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