

The CMD Series carbon monoxide detector uses an electrochemical sensor to monitor the carbon monoxide level and outputs a field-selectable 4-20 mA or voltage signal. The voltage signal may also be set to 0-5 or 0-10 Vdc. The sensing range and output may be scaled to either 100, 150, 300, 400 or 500 ppm via the on-board menu. A front panel LCD is standard to ensure easy setup and operation. It is available in either space or duct mount configurations.

Other standard features include a back light for the LCD, a front panel test switch, status indication and an alarm buzzer. The test function may also be controlled remotely with a digital input signal. The on-board menu allows for local configuration of all device parameters.

Optional features include one or two alarm relays and/or RS-485 network communications configured for either ModBus or BACnet protocol.

### **SPECIFICATION:**

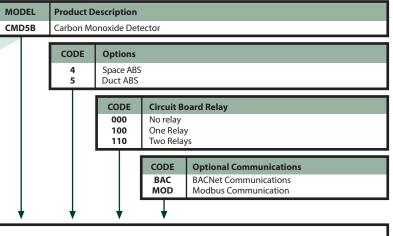
Electrochemical	l
Component for ANSI/UL-2034,	
UL-2075, E240671	
0-100, 150, 300, 400, or 500 PPM	
(Selectable)	
±5 PPM or 5% of reading	
5-7 years in air	
700 m <sup>2</sup> (7500 ft <sup>2</sup> ) or 15 m (50 ft) radius	
20° to 50°C (-4° to 122°F),	
15 to 90% RH, 0.9 to 1.1 atm	
$24 \text{Vdc} \pm 20\% \text{ or } 24 \text{Vac} \pm 10\%$	
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1 minute increments	
	UL-2075, E240671 0-100, 150, 300, 400, or 500 PPM (Selectable) ±5 PPM or 5% of reading (whichever is greater) 0° to 50°C (32° to 122°F), 15 to 90% RH 5-7 years in air 700 m <sup>2</sup> (7500 ft <sup>2</sup> ) or 15 m (50 ft) radius 20° to 50°C (-4° to 122°F),

# CARBON MONOXIDE DETECTOR CMD5B Series



PART NUMBER SELECTED

### **PRODUCT SELECTION INFORMATION:**



Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

5	Optional Relay Output:	One or two Form C contact (N.O. and N.C.) 5 amps @ 250 Vac, 5 amps @ 30 Vdc, p.f. = 1 Relay 1 Trip Point - Programmable 20-500 PPM in 10 PPM increments Relay 2 Trip Point - Programmable 20-500 PPM in 10 PPM increments Relay Delay - Programmable 00-100 PPM in 5 PPM increments
ł	Optional Communications:	
	Wiring Connections:	Screw terminal block (14 to 22 AWG)
	External Dimensions:	Space, 145 x 101 x 64mm (5.7"w x 4"h x 2.5"d) Duct, 145 x 101 x 240mm, (5.7"w x 4"h x 9.5"d) includes probe
	Enclosure Ratings:	Space (4) - ABS - UL94-V - IP65 (NEMA 4X)
	-	Duct (5) - ABS - UL94-V - IP65 (NEMA 4X)
	Field Calibration:	.By applying calibration gas standards (Contact
		Greystone for calibration kit)
	Accessories:	Calibration kit, model# CMD-CALKIT-GS



### **TYPICAL INSTALLATION:**

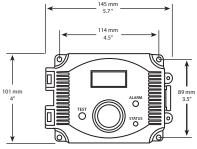
For complete installation and wiring details, please refer to the product installation instructions.

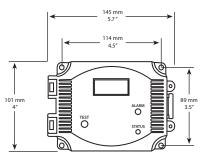
The CMD Space can be mounted directly to a wall using the 4 mounting holes provided.

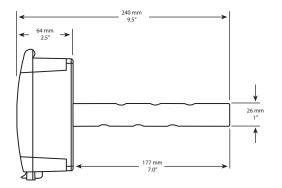
The CMD Duct is installed through the side of the duct, and fastened securely to the duct through the mounting holes provided.

# Duct

## **DIMENSIONS:**









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Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC sensors and transmitters for Building Automation Management Systems. We have conscientiously established a worldwide reputation as an industry leader by maintaining leadingedge design technology, prompt technical support, and a commitment to on-time deliveries. We take pride in our Quality Management System which is ISO 9001 certified, assuring our customers of consistent product reliability.

GREYSTONE HAS AN ISO 9001 REGISTERED QUALITY SYSTEM

Space