



GREYSTONE

ACCURACY BY DESIGN

CARBON MONOXIDE MONITOR CMD Series

The CMD series uses an electrochemical sensing element, with an accuracy of 5% combined with state-of-the-art digital linearization and temperature compensated circuitry in a functional, low profile enclosure to CO levels. It is available in either surface or duct mount models. Additional options are available which include LCD display, relay outputs, audible alarm & test switch.



SPECIFICATION:

- Sensor Element:.....Electrochemical
- Accuracy:.....±50 PPM or ±5% of reading for 0-300 PPM (whichever is greater) 0-50°C
- Life Expectancy:.....5-7 years in air
- Stability:.....<2% FS over life of sensor (15 years typical)
- Coverage:.....700m² (7500 ft²) or 15m (50ft) radius
- Power Supply:.....15-30 Vac/dc (Non-isolated half wave rectified)
- Consumption:.....80mA max @ 24 Vdc with all options on
150mA max @ 24 Vac with all options on
- Output Signals:.....4-20 mA, 0-5 Vdc or 0-10 Vdc
- Operating Conditions:.....-20°-50°C (-4°-122°F)
10-90% RH, non-condensing
- Relay Output:.....One or two Form C contact (NO and NC)
5 amps @ 250 Vac, 5 amps @ 30 Vdc, PF=1
- LCD Display:.....Displays PPM level and menu parameters (Required for programming), 1 ppm resolution
Alpha-numeric 2 line, 8 character
28 mm W x 13 mm H (1.1" x 0.5")
- Wiring Connections:.....Screw terminal block (14 to 22 AWG)
- Enclosure Ratings:.....Space (2) - IP21, Nema 1
Duct (6) - IP21, Nema 1
Space weatherproof (9) - IP54, Nema 3R

PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
CMD5B	Carbon Monoxide Monitor, 5%

CODE	Options
2	Space ABS
6	Duct ABS
9	Space ABS weatherproof

CODE	Circuit Board Relay
00	No relay
10	One Relay, Form C contact (N.O. or N.C.), 5 amps @ 250 Vac, 5 amps @ 30 Vdc, p.f. = 1
11	Two Relays, Form C contact (N.O. or N.C.), 5 amps @ 250 Vac, 5 amps @ 30 Vdc. p.f. = 1

CODE	Display
0	No Options
1	LCD (Not for temperatures below 0C/32F)
2	Audible Alarm
MOD	Modbus Communication
TS	Test Switch (if pressed, puts output to 100% and activates relay for 5 minutes)

CMD5B 2 00 1

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

TYPICAL INSTALLATION:

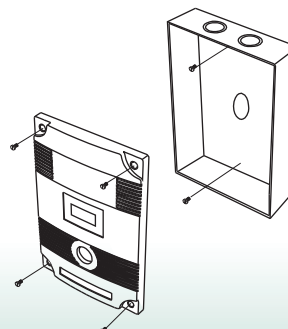
For complete installation and wiring details, please refer to the product installation instructions.

to the product installation instructions.

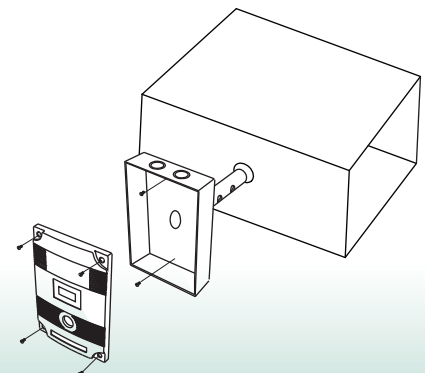
The CMD Surface can be mounted directly to a single gang electrical box or directly to a wall. Insulating foam is adhered to the back of the enclosure to provide a thermal barrier from wall temperatures.

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

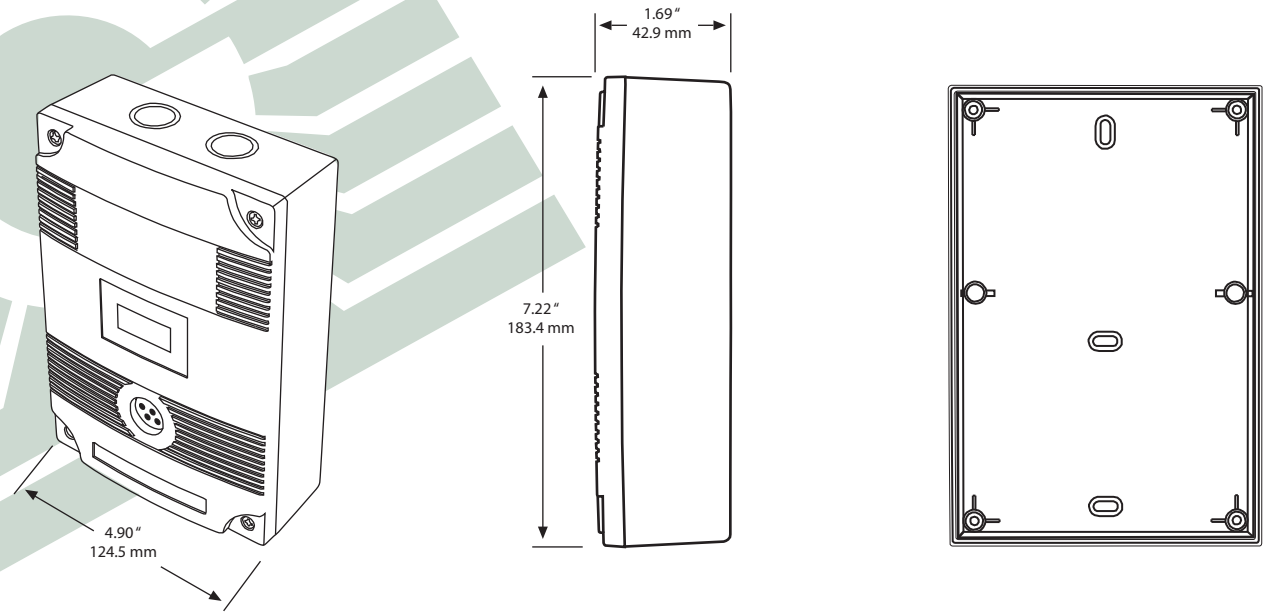
Surface



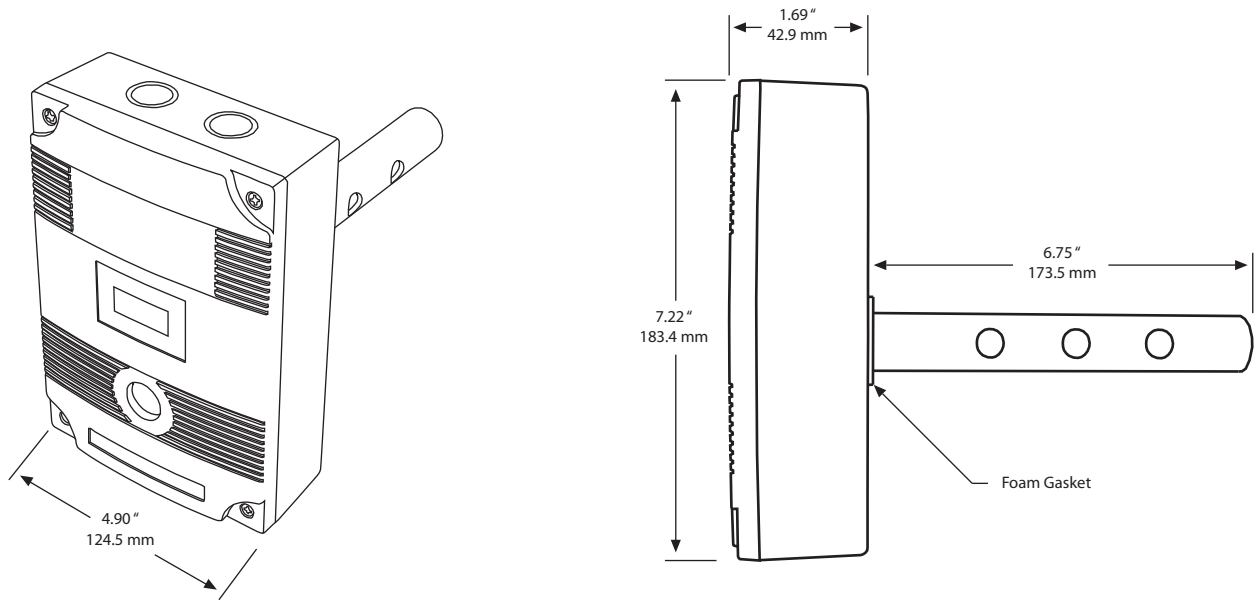
Duct



Dimensions:



Space ABS Enclosure



Duct ABS Enclosure



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RoHS
COMPLIANT



Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC sensors and transducers for Building Automation Management Systems.

We have conscientiously established a worldwide reputation as an industry leader by maintaining leading-edge 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