

SUBMITTAL

Carbon Monoxide Transducer

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
CMD3B	Carbon Monoxide Monitor, 3%
CMD5B	Carbon Monoxide Monitor, 5%

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

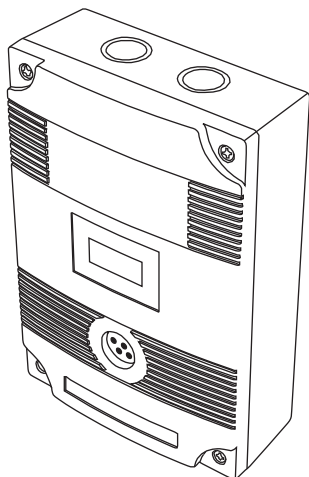
CODE	Circuit Board Relay
00	No relay
10	One Relay, Form C contact (N.O. or N.C., 5 amps @ 250 Vac, 5 amps @ 30 Vdc, p.f. = 1
11	Two Relays, Form C contact (N.O. or N.C.), 5 amps @ 250 Vac, 5 amps @ 30 Vdc, p.f. = 1

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

EXAMPLE: Wall mount CO, 5% c/w LCD



Part Number:

The CMD series uses an electrochemical sensing element, available in either 3% or 5% accuracies 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.

Output Signals	4-20 mA, 0-5 Vdc or 0-10 Vdc
Power Supply	15-30 Vac/Vdc (non-isolated half wave rectified)
Consumption	80mA max @ 24 Vdc with all options on 150mA max @ 24 Vac with all options on
CO Range	0-300 ppm - (5%), 0-500 ppm - (3%)
CO Accuracy at 0-50°C	±5 PPM or ±5% of reading for 0-300 PPM (whichever is greater) ±5 PPM or ±3% of reading for 0-500 PPM (whichever is greater)
Sensing Element life expectancy	Electrochemical - 5-7 years in air
Stability	< 2% FS over life of sensor (15 years typical)
Coverage	700m² (7500 ft²) or 15m (50ft) radius
Operating Conditions	-20° - 50°C (-4° - 122°F) for 5% electrochemical 0° - 50°C (32° - 122°F) for 3% electrochemical 10-90% RH non-condensing
Relay Output	One or two Form C contact (NO and NC), 5 amps @ 250 VAC, 5 amps @ 30 Vdc, p.f.=1
LCD Display	LCD for displaying PPM level and menu parameters (required for field programming), 1ppm 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)

Installation:

For complete installation and wiring details, please refer 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



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ACCURACY BY DESIGN

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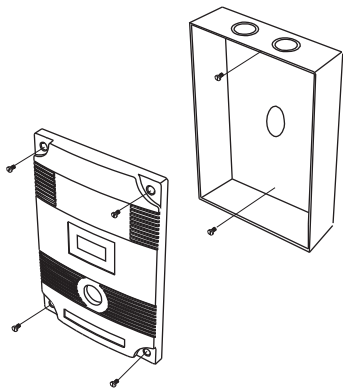
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RoHS
COMPLIANT

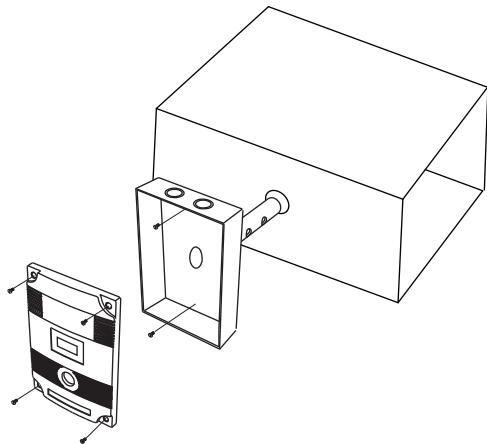


Installation

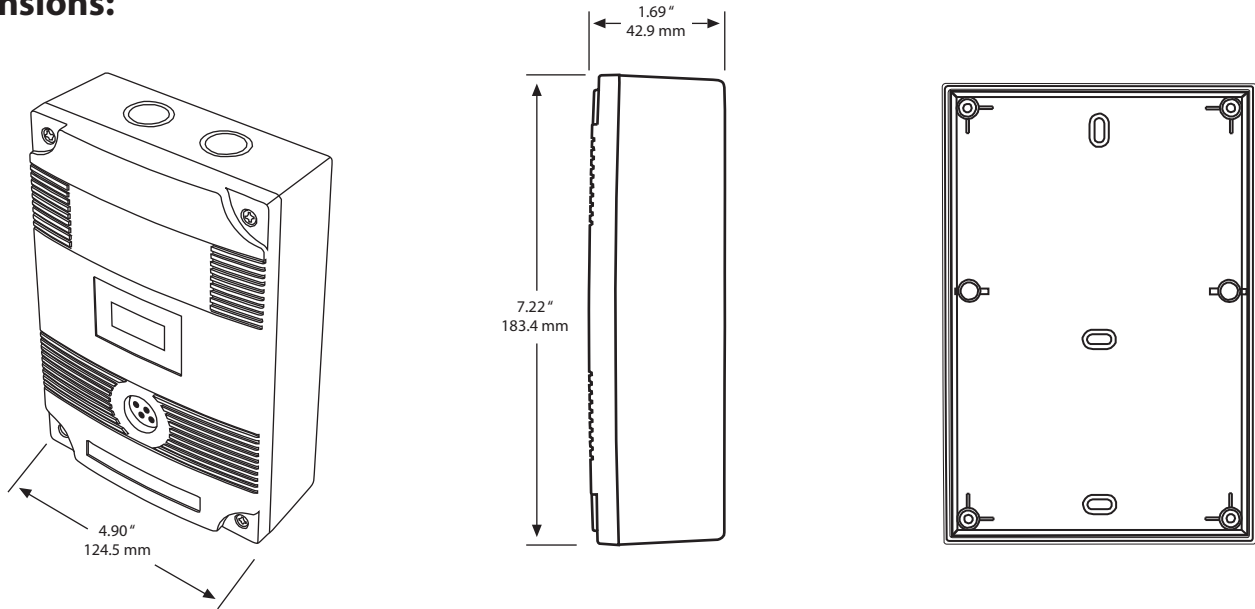
Surface



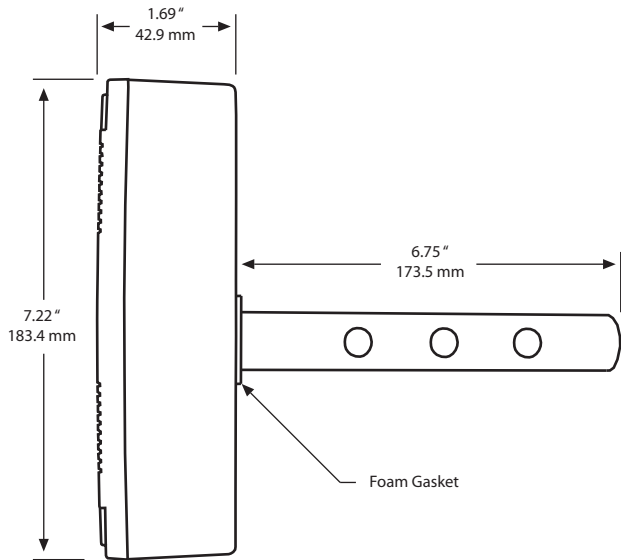
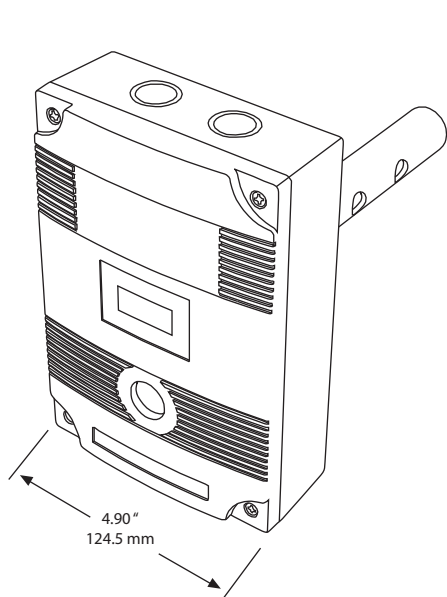
Duct



Dimensions:



Space ABS Enclosure



Duct ABS Enclosure