SUBMITTAL

Carbon Dioxide Transducer

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
CDD1A	Carbon Dioxide Transducer

CODE	Enclosure
3	Space ABS c/w 4-20 mA, 0-5, and 0-10 vdc Outputs
6	Duct ABS c/w Sampling Tube, 4-20mA, 0-5 and 0-10 Vdc Outputs

CODE	Circuit Board Relay
00	No relay
10	One Relay (DPDT, N.O. or N.C., 5A @ 24 Vdc)

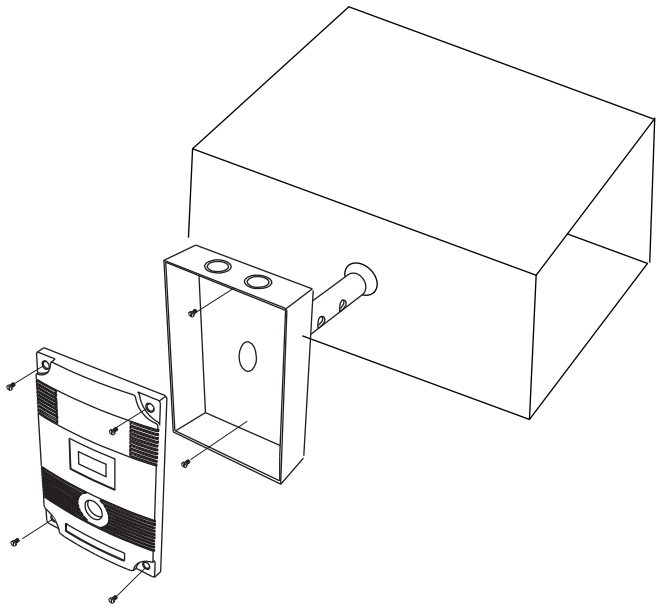
CODE	Display
0	No LCD
1	LCD

CODE	Options
-MOD	Modbus Communication

CDD1A	6	00	1	-

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

EXAMPLE: Duct CO_2, c/w LCD



CDD1A6

Part Number:

The CDD series uses a highly accurate and reliable Non-dispersive Infrared (NDIR) sensor combined with state-of-the-art digital linearization and temperature compensated circuitry to monitor CO_2, levels in many applications. The CDD series' built-in Automatic Calibrated Logic Program continually monitors it's operation and automatically calibrates itself. It is available in a wall mount enclosure or in a duct mount version. Additional options are available which include LCD display & relay outputs.

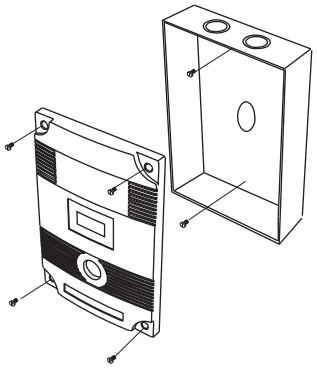
Output Signals	4-20 mA, 0-5 Vdc or 0-10 Vdc (Model Specific)
Power Supply	20-30 Vac/Vdc (non-isolated half wave rectified)
Consumption	140 mA @ 24 V maximum (40 mA typical)
CO_2 Range	0-2000 ppm standard, programmable from 1500 to 7500 ppm
CO_2 Accuracy	±50 ppm or ±3% of reading @ 22˚C (72˚F) when compared to certified calibration gas
Sensing Element	Non-Dispersive Infrared (NDIR)
Operating Conditions	0˚-50˚C (32˚-122˚F), 0-95% RH non-condensing
Stability	< 2% FS over life of sensor (15 years typical)
Relay Output	One Form C contact (NO and NC), status LED, 5 amps @ 250 VAC, 5 amps @ 30 Vdc, p.f.=1
LCD Display	LCD for displaying PPM level (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 CDD1A3 series 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 CDD1A6 is installed through the side of the duct, and fastened securely to the duct through the mounting holes provided.



CDD1A3

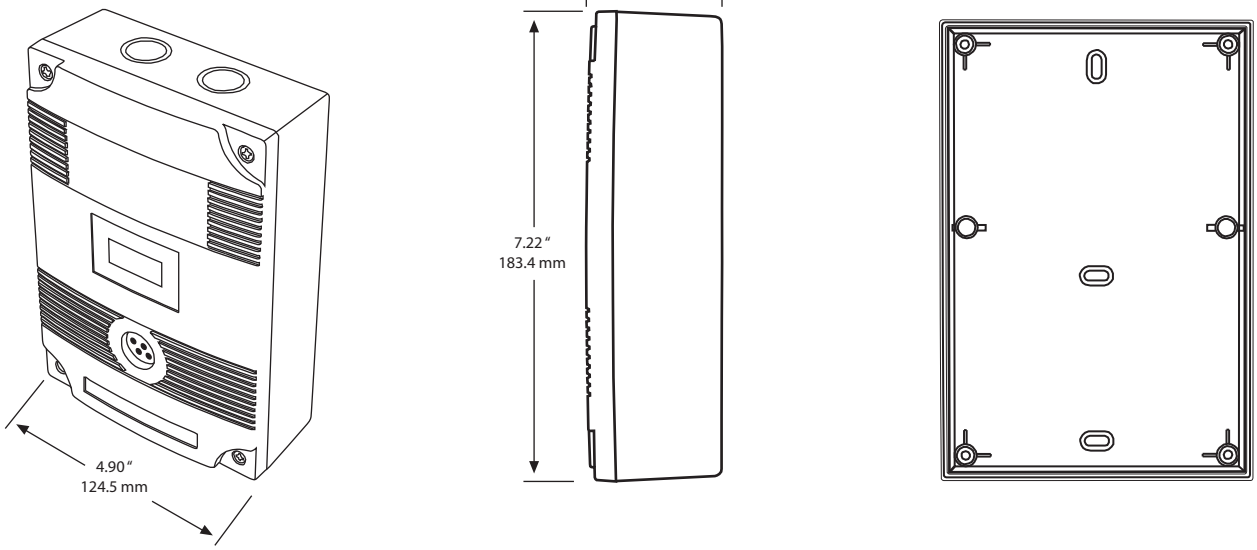
GREYSTONE
ACCURACY BY DESIGN

Greystone Energy Systems, Inc.
150 English Drive, Moncton, NB
Canada E1E 4G7

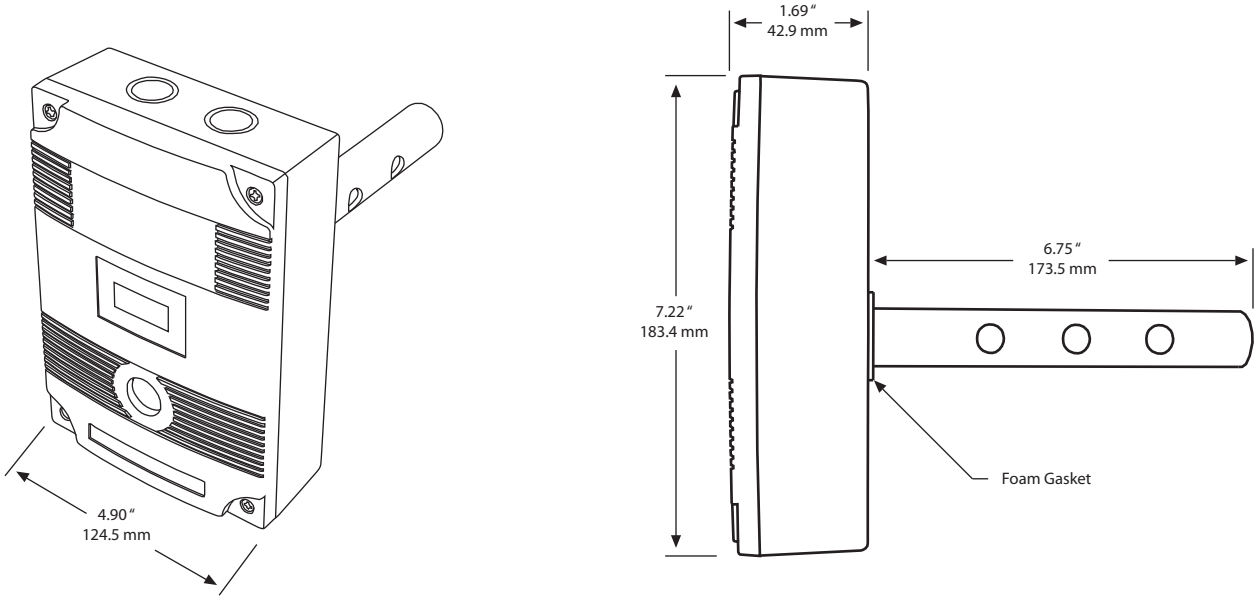
(506) 853-3057 Fax: (506) 853-6014
North America: 1-800-561-5611
e-mail: mail@greystoneenergy.com
www.greystoneenergy.com

RoHS COMPLIANT

Dimensions:



Space ABS Enclosure



Duct ABS Enclosure