



PRESSURE WET REMOTE DIFFERENTIAL TRANSMITTER

The differential pressure transmitter features a dual remote pressure sensor capable of detecting pressures up to 500 psi, 35 bar, or 3500 kPa. It can withstand overpressure up to twice the maximum pressure and burst pressure up to ten times the maximum pressure. This versatile sensor allows for various on-site parameter adjustments, including changing pressure ranges, selecting output signal types, reversing output, setting signal reactivity time, swapping ports, and performing bidirectional measurements. The output signal is factory calibrated to ensure maximum accuracy.

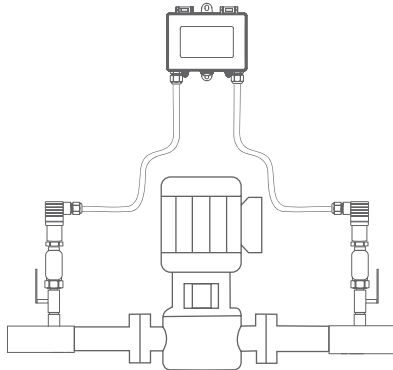
This differential pressure transmitter with a remote pressure sensor has a wide range of applications across various industries: Industrial Processes, Oil and Gas Industry, Processing, Pharmaceutical Manufacturing, Water and Wastewater Treatment, HVAC applications like Chiller Pumps.

SPECIFICATIONS

ACCURACY	Accuracy by range +/- 1% FS for the three highest ranges +/- 2% FS for the lowest range @ 22°C (72°F) including hysteresis, non-linearity and repeatability
STABILITY	±0.25% FS typical (1 year)
MEDIA COMPATIBILITY	Any gas or liquid compatible with 316 Stainless steel
PRESSURE RANGE	4 per model (see Ordering grid, Menu selectable)
OVERLOAD PRESSURE	2 x Full scale
BURST PRESSURE	10 x Full Scale
MAXIMUM LINE PRESSURE	= highest range available per Model#
PRESSURE CYCLE	over 50 million
ZERO ADJUST	Push Button & Auto Zero remote input terminals
OPERATING TEMP RANGE	Transducer: 0°C to 50°C (32°F to +122°F) Electronics / housings / cable: -20°C to +85°C (-4°F to +185°F)
OPERATING HUMIDITY	10 - 90% RH, non-condensing
PROTECTION CIRCUITRY.	Reverse voltage protected and output limited
SURGE DAMPING	1-60sec(selectable)
ZERO/SPAN SHIFT %FS/100°F (50°C)	2
WARM SHIFT	1s
RESPONSE TIME	1ms
VOLTAGE OUTPUT DATA	
OUTPUT	0-5VDC, 0-10VDC (switch selectable, 3-wire sourcing)
SUPPLY VOLTAGE	Max 26 VAC
EXTERNAL LOAD RESISTANCE	10KΩ min
SUPPLY CURRENT	6mA max
CURRENT OUTPUT DATA	
OUTPUT	4-20mA (2-wire loop powered)
MIN SUPPLY VOLTAGE	14VDC + 0.02 x (resistance of receiver plus line)
MAX SUPPLY VOLTAGE	30 VDC
EXTERNAL LOAD RESISTANCE	0-500 ohms

PHYSICAL DESCRIPTION	
ENCLOSURE	B: Polycarbonate, UL94-V0, IP65 (NEMA 4X) F: Same as B with thread adapter (1/2" NPT to M16) and cable gland fitting
LCD DISPLAY	3-1/2 digits LCD
RATING	IP65 (NEMA 4)
PRESSURE FITTING	1/4" -18 NPT male for the remote
ELECTRICAL CONNECTION	1/2" conduit
SIZE	112.5mm x 116.5mm x 53.7mm (4.43" x 4.59" x 2.11")
WEIGHT	650g (26.5 oz) - Including remote cables and sensors
APPROVALS	CE, RoHS, UL

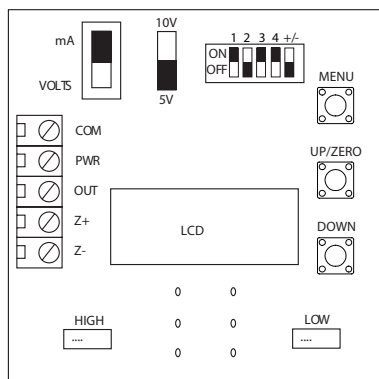
TYPICAL INSTALLATION



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

The transmitter mounts on a vertical surface using the two integrated mounting holes. The remote sensor cable connection should be located on the bottom of the enclosure. The two mounting holes will facilitate a #10 size screw (not supplied). Ensure there is enough space around the unit to make the electrical connections and ensure that it is within an acceptable distance for the length of remote sensor cable. Avoid locations with severe vibrations or excessive moisture.

WIRING INFORMATION



TERMINAL

COM
PWR
OUT
Z +
Z -

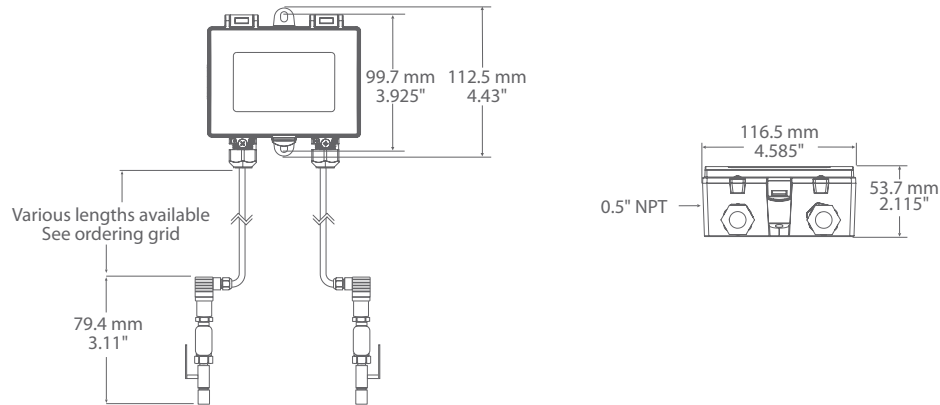
FUNCTION

Common
24 Vac/Vdc
Analog Output
Remote zero switch positive
Remote zero switch negative

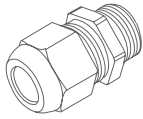
WARNING: Ensure that the maximum individual port pressure does not exceed 2x the highest pressure range of the unit. For example, the highest individual port pressure on a 02 Range Code is 100 PSI. Exceeding this may damage the sensors and give erroneous readings. See Ordering Chart for ratings.



DIMENSIONS



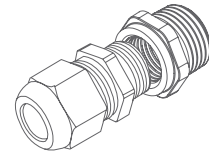
ACCESSORIES - INCLUDED WITH F ENCLOSURE OPTION



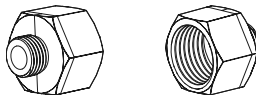
CABLE GLAND FITTING (QTY OF 2)



THREAD ADAPTER 1/2" NPT TO M16 (QTY OF 2)



ACCESSORIES FOR CONDUIT



FITTING ADAPTER FOR CONDUIT CONNECTIVITY (QTY OF 4)

ORDERING

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PRODUCT	ENCLOSURE		PRESSURE RANGES		CABLE TYPES		CABLE LENGTH	
PWRD	B	Polycarbonate, with hinged and gasketed cover	01	5, 10, 25, and 50 PSI ranges	S	FT-6 plenum rated	00	No Cable (For Conduit Only)
			02	10, 20, 50, and 100 PSI ranges	A	Armored Cable	03	3m (10')
			03	25, 50, 125, and 250 PSI ranges	C	Conduit Connections	09	9m (30')
Pressure Wet Remote Differential Transmitter	F	Same as B, with thread adapter and cable gland fitting	04	50, 100, 250, and 500 PSI ranges			15	15m (50')
			05	0.5, 1.0, 2.5, and 5.0 Bar				
			06	0.7, 1.40, 3.5, and 7.0 Bar				
			07	1, 2, 5, and 10 Bar				
			08	3.5, 7, 17.5, and 35 Bar				
			09	50, 100, 250, and 500 kPa				
			10	70, 140, 350, and 700 kPa				
			11	100, 200, 500, and 1000 kPa				
			12	350, 700, 1750, and 3500 kPa				
			13	40,80,200,400 psi				

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