

ULTRA LOW PRESSURE TRANSMITTER ULP Series

The ULP series is used to measure differential pressure between an area and a reference space. It combines precision high sensitivity silicon sensing capabilities and the latest in ASIC technology with Dynamic Self Compensation. Standard features include: Bi-directional pressure ranges, selectable output, and on-board auto-zeroing. A built-in alarm relay output and LCD are optional. Several accessories are available.

SPECIFIC ATION.

SPECIFICATION	
Pressure Ranges	(1) ±1", 0-1", ±0.5", 0-0.5" WC,
	±250, 0-250, ±125, 0-125 Pa
	(2) ±0.25", 0-0.25", ±0.125", 0-0.125" WC
	±60, 0-60, ±30, 0-30 Pa
Accuracy	.± 1% FS of selected range
Stability	.± 1% FS (1 year)
Thermal Effect	± 2% FS max ,
	$10 - 40^{\circ}C (50 - 104^{\circ}F)$
Response Time	5 or 30 Seconds.
	(switch selectable)
	100 "WC (24.9 kPa) for ULP1,
1100111033410	40 "WC (9.96 kPa) for ULP1
Rurst Pressure	200 "WC (49.8 kPa) for ULP1,
	80 "WC (19.9 kPa) for ULP2
Operating Conditions	
Operating Conditions	0 - 90 %RH non-condensing
Storago Tomporaturo	40 - 95°C (-40 - 203°F)
Media Compatibility	40 - 93 C (-40 - 203 F)
	Dry all of filert gas Pushbutton or digital input
Zero Adjust	
Power Supply	auto-zero
Power Supply	24 VaC/QC ± 10%
	55 mA max. with relay option
	.Negligible over specified
	operating range
	.Reverse voltage protected and
0	output limited
Output Signal	.4-20 mA (3-wire), 0-5 or 0-10 Vdc
	(3-wire), field selectable 750 Ω max (4-20 mA),
Output Drive	
	2 KΩ min (voltage)
Wiring Connections	
	(14 to 22 AWG)
Pressure Connections	Barbed ports for 1/8" to 3/16" ID
	tubing
Conduit Connection	Access hole for 1/2" NPT conduit
	or cable gland
Enclosure	Grey ABS with gasket, UL94-5VB
	IP65 (NEMA 4X)
	145 W x 101 H x 63 D mm
	(5.7" x 4.0" x 2.5")
Weight	260 g (9.2 oz)



PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

CODE Alarm Output			SCI SEEECII SIVIIII SIVIIII SIVIII					
CODE Options A Standard B LCD Display CODE Pressure Ranges 1 ±1, 0-1, ±0.5, 0-0.5"WC/±250, 0-250, ±125, 0-125 Pa 2 ±0.25, 0-0.25, ±0.125, 0-0.125"W.C./±60, 0-60, ±30, 0-30 Pa CODE Alarm Output	MODEL	Proc	Product Description					
A Standard LCD Display CODE Pressure Ranges 1 ±1, 0-1, ±0.5, 0-0.5"WC /±250, 0-250, ±125, 0-125 Pa 2 ±0.25, 0-0.25, ±0.125, 0-0.125"W.C./±60, 0-60, ±30, 0-30 Pa CODE Alarm Output	ULP	Ultra	Ultra Low Pressure Transmitter					
A Standard LCD Display CODE Pressure Ranges 1 ±1, 0-1, ±0.5, 0-0.5"WC /±250, 0-250, ±125, 0-125 Pa 2 ±0.25, 0-0.25, ±0.125, 0-0.125"W.C./±60, 0-60, ±30, 0-30 Pa CODE Alarm Output								
B LCD Display CODE Pressure Ranges 1 ±1, 0-1, ±0.5, 0-0.5"WC /±250, 0-250, ±125, 0-125 Pa 2 ±0.25, 0-0.25, ±0.125, 0-0.125"W.C/±60, 0-60, ±30, 0-30 Pa CODE Alarm Output		со	DE	Options				
1 ±1, 0-1, ±0.5, 0-0.5"WC/±250, 0-250, ±125, 0-125 Pa 2 ±0.25, 0-0.25, ±0.125, 0-0.125"W.C/±60, 0-60, ±30, 0-30 Pa								
2 ±0.25, 0-0.25, ±0.125, 0-0.125"W.C./±60, 0-60, ±30, 0-30 Pa				CODE	Pressure Ranges			
				±1, 0-1, ±0.5, 0-0.5"WC /±250, 0-250, ±125, 0-125 Pa ±0.25, 0-0.25, ±0.125, 0-0.125"W.C./±60, 0-60, ±30, 0-30 Pa				
			'					
					CODE	Alarm Output		
R Alarm relay, N.O. 2 Amp					R	Alarm relay, N.O. 2 Amp		
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 $Greystone\ Energy\ Systems, Inc.\ reserves\ the\ right\ to\ make\ design\ modifications\ without\ prior\ notice.$

OPTIONAL LCD DISPLAY

Display Size	38.1 x 16.5 mm (1.5" x 0.65")
Digit Height	11.43 mm (0.45")
Symbols	" WC, Pa
Backlight	Enable/disable (switch selectable)

OPTIONAL ALARM FUNCTIONS

Alarm Relay Output	N.O. contact, 2 Amps @ 120 Vac
	or 30 Vdc
Alarm Relay Trip Point	Adjustable over the pressure
	range (forward or reverse acting)
Alarm Relay Delay	10 or 60 Seconds, switch selectable









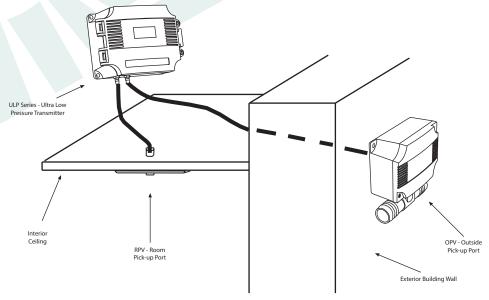


TYPICAL INSTALLATION:

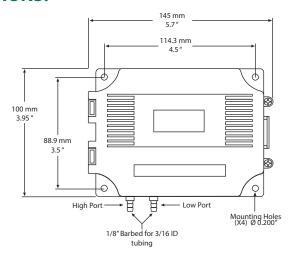
For complete installation and wiring details, please refer to the product installation instructions.

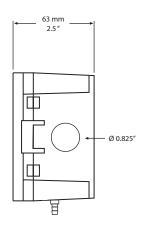
The ULP mounts on any surface using the four holes provided on the base of the unit. Make sure there is enough space around the unit to connect the pressure tubing without kinking and avoid locations where severe vibrations or excessive moisture are present.

The unit may be mounted in any position but typically is installed on a vertical surface with pressure ports on the bottom and the cable entrance on the right. The enclosure has a standard opening for a 1/2" conduit and may be installed with either conduit and a conduit coupler or a cable gland type fitting.



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.