

The WPRG Series guage pressure transmitter with remote pressure sensor allow for remote pressure sensing using existing plumbing runs. With no need to run plumbing lines all the way to the transmitter, the installation time and cost is greatly reduced. The WPRG is available with either standard FT6 or armored cable in 5 or 10′ (1.5 m or 3 m) cable lengths.

The WPRG can accept ranges from 5 PSI to 500 PSI. All models can handle overload pressure 2X and burst pressure is 5X the maximum full scale range . Features include field selectable pressure ranges and output signal types for the most flexible applications.

# **SPECIFICATIONS:**

Media Compatibility	. 17-4 PH stainless steel . 4 switch selectable ranges per
3	model - See ordering
Line Pressure	. Max. line pressure is the highest
	of the selectable ranges on each
	model
	. Max. 2X highest range per model
	. Max. 5X highest range per model
Accuracy	± 1% F.S. of range selected with
	combined linearity, hysteresis, and repeatability
Pressure Cycles	
Surge Damping	Normal: 4 second averaging
Julye Dumping	Slow: 8 second averaging,
	switch selectable
Sensor Operating Range	40° to 85°C (-40° to 185°F)
Compensated Range	. 0° to 55°C (32° to 130°F)
Operating Environment	
	10-90% RH condensing
Stability	. ±0.25% typical (1 year)
Zero Adjust	
On a ratio at 11 maidity	digital input . 0 to 95% RH non-condensing
	. 18 to 28 Vac/Vdc (non-isolated
Power Supply	half-wave rectified)
Consumption	. 100 mA max @ 24 Vdc with LCD
G01.5011.p1.011	backlight, 35 mA with backlight
	disabled
Output Signal	· 3-wire transmitter; selectable
	4-20mA active (sourcing), 0-5 or
	0-10 Vdc
Pressure Connection	
Remote Cable	
Enclosure	A = Armoured Flexible S/S
Enclosure	hinged lid with gasket,
	IP65 (Nema 4)
Dimensions	
	(5.7" X 3.95" X 2.5")
Shock	. 100G, 11 mSec, 1/2 sine
Vibration	
Wiring Connections	
	(14 to 22 AWG)
Optional LCD Display	. 35 mm x 15 mm (1.4" w x 0.6" h)
	alpha-numeric 2 line x 8 character
	Resolution - 1 psi Backlight - Enable or disable via
	Dacklight - Enable of disable via

# GUAGE PRESSURE TRANSMITTER WITH REMOTE SENSORS WPRG Series



#### **PART NUMBER SELECTED**

**Product Description** 

MODEL

# **PRODUCT SELECTION INFORMATION:**

Cable

CODE

WP	WPRG Guage Pressure Transmitter with Remote Sensors			
		CODE	Pressure Ranges	
		101	5, 10, 25 and 50 PSI ranges	
		102	10, 20, 50 and 100 PSI ranges	
		103	20, 40, 100 and 200 PSI ranges	
		104	50, 100, 250 and 500 PSI ranges	
		105	0.5, 1.0, 2.5 and 5.0 Bar	
		106	0.75, 1.50, 3.75 and 7.50 Bar	
		107	1, 2, 5 and 10 Bar	
		108	3, 6, 15 and 30 Bar	
		109	50, 100, 250 and 500 kPa	
		110	75, 150, 375 and 750 kPa	
		111	100, 200, 500 and 1000 kPa	
		112	300, 600, 1500 and 3000 kPa	

505 510 105 110	5' (1.5 m) FT6 Cable 10' (3 m) FT6 Cable 5' (1.5 m) Armoured Cable 10' (3 m) Armoured Cable		
	CODE	Pressure Ranges	
	- LCD	None Backlite LCD	
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 $Greystone\ Energy\ Systems, Inc.\ reserves\ the\ right\ to\ make\ design\ modifications\ without\ prior\ notice.$ 

NOTE: When choosing pressure range ensure that the maximum individual port pressure does not exceed the maximum pressure range of the unit. For example, the maximum individual port pressure of the WPRG102S05 is 100 PSI. Exceeding this may cause damage to the sensors and will give erroneus readings.

jumper

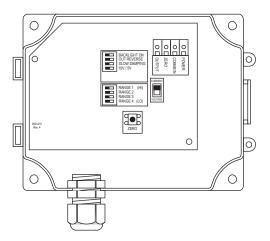
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### **TYPICAL INSTALLATION:**

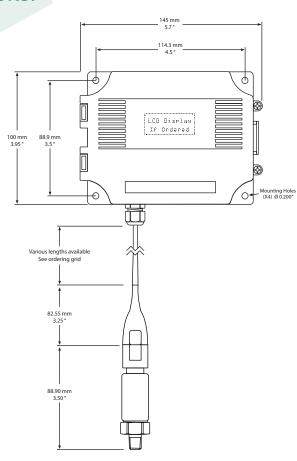
For complete installation and wiring details, please refer to the product installation instructions.

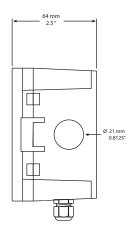
The WPRG enclosure mounts on any surface using the four holes provided on the base of the unit. Make sure there is enough space around the unit to connect the sensor cables and electrical conduit. Avoid locations where severe vibrations or excessive moisture are present.

The unit may be mounted in any position but typically is installed on a vertical surface with pressure cable on the bottom. 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 transducers 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.