



Greyline

# PSL 5.0

## Technical Specifications:

Designed for pump stations, wet wells and tank level control the new – Greyline PSL 5.0 Pump Station Level Controller has six independently programmable control relays for pump or valve control, level alarms, autodialers, temperature or fault alarms.



### GENERAL SPECIFICATIONS

<b>Accuracy:</b>	±0.25% of Range or 2 mm (0.08 in), whichever is greater
<b>Electronics Enclosure:</b>	NEMA4X (IP66) polycarbonate with clear, shatterproof cover
<b>Operating Temp. (Electronics):</b>	-20 °C to +60 °C (-5 °F to +140 °F)
<b>Power Input:</b>	100-240 V AC 50-60 Hz (see Options), 2.4-5.6 W depending on options
<b>Analog Output:</b>	Isolated 4-20mA (1 kΩ)
<b>Control Relays:</b>	6 form 'C' dry contact Relays rated 5 A SPDT; programmable level alarm and/or pump control modes, pump alternation / sequencing, failsafe / echo-loss, air temperature alarm
<b>Display:</b>	White, backlit matrix - displays calibration menu, relay status, runtime reports and sensor status
<b>Calibration:</b>	Level or Range mode in selectable units
<b>Programming:</b>	Built-in, 5-button keypad, password-protected
<b>Approximate Shipping Weight:</b>	5 kg (11 lb)

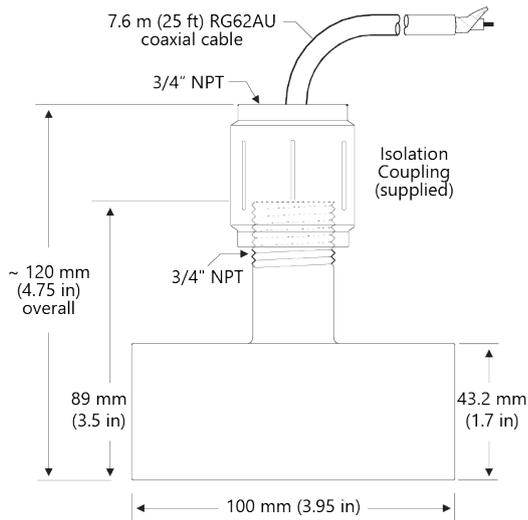
### TRANSDUCER SPECIFICATIONS

<b>Standard Sensor:</b>	PZ34 ultrasonic sensor
<b>Maximum Range:</b>	9.8 m (32 ft), optional sensors for longer ranges
<b>Deadband (Blanking):</b>	Programmable, minimum 406.4 mm (16 in)
<b>Beam Angle:</b>	8° - Install 304.8 mm (12 in) from tank sidewall for every 3 m (10 ft) depth
<b>Operating Frequency:</b>	42 kHz
<b>Exposed Materials:</b>	PVC
<b>Operating Temperature:</b>	-40 °C to 65 °C (-40 °F to 150 °F)
<b>Operating Pressure:</b>	0 bar to 1.4 bar (0 psi to 20 psi) maximum
<b>Sensor Cable:</b>	RG62AU coaxial, 7.6 m (25 ft) standard length (See Options)

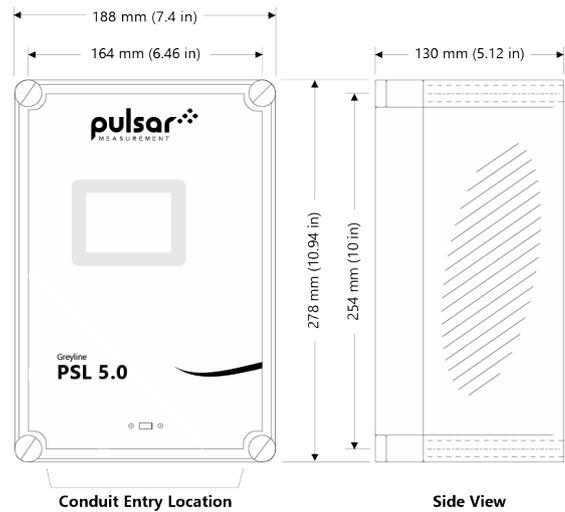


## POPULAR OPTIONS

<b>Sensors:</b>	Long and short-range models / all Teflon construction / Intrinsically safe / Pressure
<b>Sensor Cable:</b>	15.2 m (50 ft) or 30.5 m (100 ft) RG62AU coaxial continuous from ultrasonic sensor, or splice up to 152.4 m (500 ft)
<b>Sensor Cable Junction Box:</b>	Watertight NEMA4 steel with connection terminal strip
<b>Power Input:</b>	9-32 V DC, 2.1-4.95 W depending on options
<b>Data Logger:</b>	20 million point data logger with output to USB flash drive. Windows software.
<b>Enclosure Heater:</b>	Thermostatically controlled - recommended for temperatures below 0 °C (32 °F)
<b>Enclosure Panel Mount:</b>	Flange and bracket assembly mounts enclosure in panel face
<b>Hazardous Locations:</b>	Intrinsic Safety Barrier for ultrasonic Sensor mounting in hazardous areas. NEMA7 explosion-proof enclosure for electronics mounting in hazardous locations.



PZ34 ultrasonic sensor



PSL 5.0 enclosure dimensions



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