

PSL 5.0 Pump Station Level Controller

Approximate shipping weight: 10 lbs / 4.5 kg

Model

PSL 5.0 - - - - -

STANDARD FEATURES:

- sensor – PZ34, PVC, 32ft / 10 m range
- sensor cable - 25ft / 7.6m coaxial
- auxiliary sensor – accepts redundant 4-20mA sensor connection
- temperature compensation - automatic
- enclosure - watertight, dust tight NEMA4X (IP66) polycarbonate
- programming - built-in 5 button keypad, Password protected
- calibration – Level, Range or Volume in selectable Units
- display - white, backlit matrix LCD
- 6 relays - 5 ampere SPDT, programmable level alarm and/or pump control modes, pump alternation/sequencing, failsafe/echo-loss, temperature alarm
- outputs - isolated 4-20mA (1000 ohm)
- report logger - pump Run Time report
- power input - 100-240VAC 50/60Hz, 3 Watts with standard features
- surge protection - sensor, AC power and 4-20mA output
- 1 Manual - Installation and Operation

POWER INPUT

Standard 100-240VAC 50/60Hz	A
9-32VDC	B

ENCLOSURE

Standard NEMA4X (IP66) polycarbonate	1
CXJ8106 - Explosion proof NEMA7 (non-returnable & non-refundable)	2

ENCLOSURE TEMPERATURE

Standard (-5 to 140°F / -20 to 60°C)	A
Heater and Thermostat, 115VAC, 15 Watts	B
Heater and Thermostat, 230VAC, 15 Watts	C

ELECTRONICS PROTECTION

Standard - no circuit board coating	1
Conformal Coating ("tropicalized") for humid atmospheres	2

**SENSOR (25 ft / 7.6m cable with built-in temperature compensation)
(When ordering replacements *a*lways provide instrument Serial No.)**

Standard PZ34 PVC (16" / 406.4 mm deadband, 32 ft / 10 m range on liquids)	B
PZ32T PVC and Teflon (12" / 305 mm deadband, 32 ft / 10 m range on liquids)	A
PZ32TE All Teflon (32 ft / 10m range, rated to temperature 170°F/76°C)	E
PZ34T4F Flange Mount, 4" with Teflon face (32 ft/10m range)	B4
PZ34T6F Flange Mount, 6" with Teflon face (32 ft/10m range)	B6
PZ15 PVC (8" / 203.2 mm deadband, 15' / 4.57 m Max. range)	D
PZ15-LP Low-Profile, PVC (8" / 203.2 mm deadband, 15' / 4.57 m Max. range)	GL
PZ56 PVC (16" / 406.4 mm deadband, 50 ft / 15.25 m range on liquids)	T

INTRINSIC SAFETY BARRIER (built into electronics enclosure)

Standard, PZ sensor, Non-Incendive for Class I Div 2, Groups A,B,C,D	1
ISB Intrinsic Safety Barrier for ultrasonic sensor and cable for installation in Class I, Div 1, Groups C,D; Class II, Groups E,F,G; Class III;	2
QTY 2 Intrinsic Safety Barriers for ultrasonic + LTB35 pressure sensor and cable for installation in Class I, Div 1, Groups C,D; Class II, Groups E,F,G; Class III;	3

ULTRASONIC SENSOR CABLE LENGTH

Standard 25 ft. / 7.6m RG62AU coaxial	A
50 ft / 15 m continuous RG62AU coaxial	B
100 ft / 30 m continuous RG62AU coaxial	C

DATA LOGGER

None – Standard	1
Greyline Logger – 20 million point Data Logger (with USB output, PC software)	2

OPTIONS AND ACCESSORIES

QTY	CODE	DESCRIPTION	
	XC	Extra sensor cable up to 500ft / 152m	
	JB2X	Sensor cable Junction Box, NEMA4X (IP66) polycarbonate	
	PM	Panel Mount Flange assembly	
	SCR	Enclosure Sunscreen (iridite aluminum)	
	PZS	Sensor Sunscreen (iridite aluminum)	
	SBMS ¹	Sensor Submergence Shield (PVC)	
	SP1	Lightning/Surge Protection in NEMA13,12 Steel Enclosure	

¹ Only compatible with PZ15 and PZ34 sensors

SPARE/REPLACEMENT SENSORS (25 ft / 7.6m cable and temperature compensation)

*Provide Instrument Serial number when ordering replacements

	KPSI750	Submersible Pressure Transducer with 50 ft / 15.2 m vented cable	
	PZ34	PVC, (12"/305mm deadband, 32ft/10m range) with 25ft/7.6m cable	
	PZ34-25XC	PVC, (12"/305mm deadband, 32ft/10m range) with 50ft/15.2m cable	
	PZ34-75XC	PVC, (12"/305mm deadband, 32ft/10m range) with 100ft/30.5m cable	
	PZ32T	PVC & Teflon (12"/305mm deadband, 32ft/10m range) with 25ft/7.6m cable	
	PZ32T-25XC	PVC & Teflon (12"/305mm deadband, 32ft/10m range) with 50ft/15.2m cable	
	PZ32T-75XC	PVC & Teflon (12"/305mm deadband, 32ft/10m range) with 100ft/30.5m cable	
	PZ32TE	All Teflon (same specs as PZ32T, but rated to 170°F/76°C)	
	PZ32TE-25XC	All Teflon (same specs as PZ32T-25XC, but rated to 170°F/76°C)	
	PZ32TE-75XC	All Teflon (same specs as PZ32T-75XC, but rated to 170°F/76°C)	
	PZ34T4F	Flange Mount, 4" with Teflon face (32 ft/10m range) with 25ft/7.6m cable	
	PZ34T4F-25XC	Flange Mount, 4" with Teflon face (32 ft/10m range) with 50ft/15.2m cable	
	PZ34T4F-75XC	Flange Mount, 4" with Teflon face (32 ft/10m range) with 100ft/30.5m cable	
	PZ34T6F	Flange Mount, 6" with Teflon face (32 ft/10m range) with 25ft/7.6m cable	
	PZ34T6F-25XC	Flange Mount, 6" with Teflon face (32 ft/10m range) with 50ft/15.2m cable	
	PZ34T6F-75XC	Flange Mount, 6" with Teflon face (32 ft/10m range) with 100ft/30.5m cable	
	PZ56	PVC, 16"/406mm deadband, 50ft/15.6m range, 50ft/15.6m cable	
	PZ56-25XC	PVC, 16"/406mm deadband, 50ft/15.6m range, 50ft/15.6m cable	
	PZ56-75XC	PVC, 16"/406mm deadband, 50ft/15.6m range, 50ft/15.6m cable	
	PZ15	PVC, (8"/203mm deadband, 15ft/4.6m range) with 25ft/7.6m cable	
	PZ15-25XC	PVC, (8"/203mm deadband, 15ft/4.6m range) with 50ft/15.2m cable	
	PZ15-75XC	PVC, (8"/203mm deadband, 15ft/4.6m range) with 100ft/30.5m cable	
	PZ15-LP ¹	Low profile, PVC with 25 ft / 7.6 m cable	
	PZ15-LP-25XC ²	Low profile, PVC with 50 ft / 15 m cable	
	PZ15-LP-75XC ²	Low profile, PVC with 100 ft / 30 m cable	

² Sensors include MB15 mounting bracket