

PSL 5.0 Pump Station Level Controller

Approximate shipping weight: 10 lbs / 4.5 kg

Model

Please configure model on next page

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



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POWER INPUT

Standard – 100-240VAC 50/60Hz, 10VA Maximum		A
9-32VDC, 10W Maximum		B

ENCLOSURE & ELECTRONICS PROTECTION

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

ENCLOSURE TEMPERATURE RATING

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

TRANSDUCERS (each with 25ft / 7.6m cable)

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

INTRINSIC SAFETY BARRIERS (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 + KLR750 pressure sensor and cable for installation in Class I, Div 1, Groups C,D; Class II, Groups E,F,G; Class III;		3

TRANSDUCER CABLE LENGTH

Standard – 25 ft. 7.6m		A
50 ft / 15 m		B
100 ft / 30 m		C

DATA LOGGER

Standard – None		1
Greyline Logger – 3 channel (A & B sensors plus Differential), 2 million point data Logger (with USB output, PC software)		2

OPTIONS AND ACCESSORIES

Code	Description
XC	Extra sensor cable up to 500ft / 152m (price is per foot)
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*

Code	Description
KLR750	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
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-LP1	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