PENTEK INTELLIDRIVE[™] WATER PRESSURE CONTROL CENTER

CONSTANT PRESSURE FOR WELL PUMP SYSTEMS

For use with both Submersible and Above Ground Well Pumps to Control Changes in Water Demand

Most homeowners with well systems know what happens when demand for water changes. If they're taking a shower, water pressure drops when someone starts the dishwasher or turns on a faucet. Weak showers, unclean dishes and other water pressure problems become frustrating daily experiences.

A "Variable Frequency Drive" for Submersible or Above Ground Well Pumps.

The Pentek Intellidrive" Water Pressure Control Center directs changes in pump motor speed, responding to fluctuations in demand. If water pressure starts dropping, an electronic pressure transducer signals the drive to accelerate the pump motor to increase water volume going into the home.

The Benefit? Strong, equal pressure, everywhere.

Homeowners will recognize the difference right away. Water flows smoothly and evenly throughout the home. Regardless of changes in demand, water pressure stays the same: in the shower, the dishwasher, and from every other faucet and fixture.

And when homeowners are outside, they'll enjoy a lush, green lawn and landscaping. Sprinkler systems will perform at their best, with consistent spray patterns, constantly pressurized to achieve complete coverage.

The pump and motor will last longer.

Pentek Intellidrive" features "Soft Start/Coast to Stop" design, which minimizes mechanical stress. And during long-running applications like lawn irrigation, pressurecycling is eliminated...another system stress reducer. Pentek Intellidrive Leading-edge technology for a premium residential water system that makes life better!



ADVANCED TECHNOLOGY. SUPERIOR PERFORMANCE.

KEYHOLE MOUNT — For fast and easy installation

LCD INFORMATION CENTER

Displays installation, status and fault information in easy-tounderstand language instead of codes

GROUND DETECTION

Message Center shows if there is a grounding problem

MULTIPLE ACCESSORY INPUTS

Additional inputs allow use of multiple drive accessories at the same time

BEST-IN-CLASS EMI/RFI FILTER

Superior noise and interference protection, including AM radio signals

SPACIOUS WIRING AREA — For fast and easy installation

PROGRAMMABLE INPUT/OUTPUT RELAYS Provide application flexibility

EASY-ACCESS

EASY-ACCESS CONDUIT OPENINGS

Align with appropriate terminals for straight-in accessibility. Fits 1/2", 3/4" or 1-1/4"





ELECTRONIC PRESSURE TRANSDUCER More accurate and reliable than mechanical pressure switch, with piezo resistive technology designed to

TEMPERATURE-SENSITIVE INTELLIGENT FAN Operates when needed for quiet operation

resist water hammer

SD CARD SLOT For easy software updates when provided by manufacturer

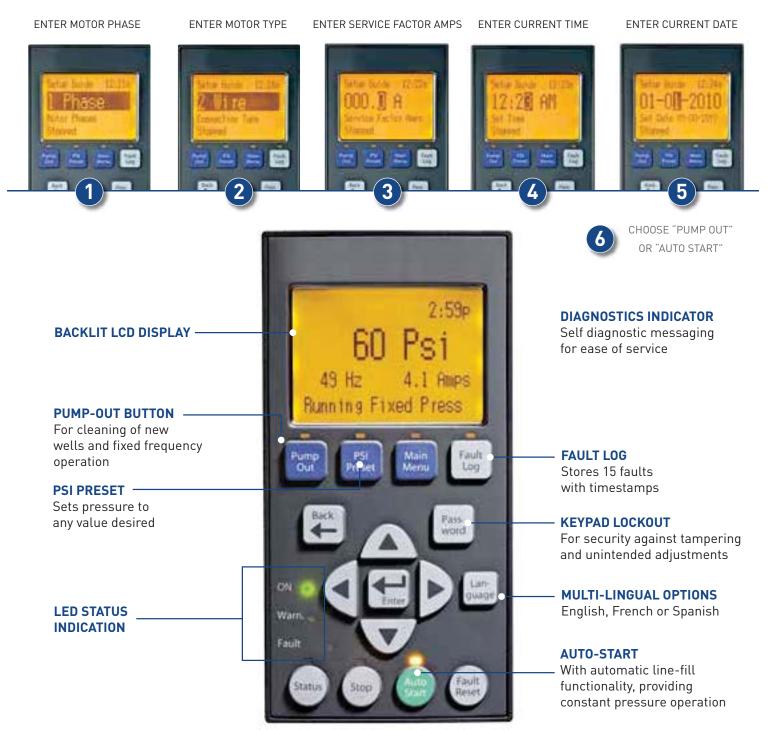
SPRING TERMINALS For secure connections and easy installation without special tools

REMOVABLE TERMINAL BLOCKS For easy wiring of motor and power supply – field replaceable

AN INTELLIGENT CONTROL... SIMPLE TO OPERATE, EASY TO UNDERSTAND.

No other variable frequency drive provides such an effective operator interface with easy touchpad operation and a spectrum of features that allows easy configuration for most residential water control applications. And the LCD Information Center communicates clearly in words, instead of confusing light codes.

START-UP IS SIMPLE...



Product Line Overview

MODEL NUMBER	MOTOR TYPE	MAXIMUM HP	INPUT VOLTAGE	OUTPUT AMPS	ENCLOSURE RATING
PID10	1-PHASE 2-WIRE*	1.0	190-265	9.5	3R
	1-PHASE 3-WIRE	1.0	190-265	7.5	3R
	3-PHASE	1.0	190-265	5.0	3R
PID20	1-PHASE 2-WIRE*	1.5	190-265	11.0	3R
	1-PHASE 3-WIRE	2.0	190-265	13.5	3R
	3-PHASE	2.0	190-265	8.5	3R
PID50	1-PHASE 2-WIRE*	1.5	190-265	11.0	3R
	1-PHASE 3-WIRE	2.0	190-265	13.5	3R
	3-PHASE	5.0	190-265	18.0	3R

*Pentek[®] (PSC) 2-wire motors only

