

PENTEK INTELLIDRIVE™ WATER PRESSURE CONTROL CENTER

Constant and consistent water pressure for residential well pump systems.

Homeowners with water pressure problems experience weak showers, unclean dishes, dry lawns and more.

The PENTEK INTELLIDRIVE Water Pressure Control Center is an “Intelligent Variable Frequency Drive” that directs changes in submersible pump motor speed, responding to fluctuations in household demand. It maintains constant water pressure, regardless of how many people or appliances are using water at the same time.

4 MODELS MEET ALL YOUR NEEDS

- ▶ 1/2 HP - 5 HP Capabilities
- ▶ 2-Wire, 3-Wire & 3-Phase in same unit
- ▶ 3-Phase Output (60 Hz/80 Hz)**

PUMP AND MOTOR LAST LONGER

- ▶ “Soft Start/Coast to Stop” minimizes mechanical stress.
- ▶ Constant pressure eliminates frequent on/off “pressure cycling”.

ADVANCED CONTROL SYSTEM

- ▶ Needed for installation, system monitoring and troubleshooting.
- ▶ Easy touchpad operation.

GROUND DETECTION

- ▶ Detects and displays when there is a grounding problem.
- ▶ Shuts down system until problem is corrected.



60 Hz operation is recommended as the industry standard.

Intermittent 80 Hz operation is an acceptable option.

** Ongoing 80 Hz operation may reduce the life of the pump and motor.



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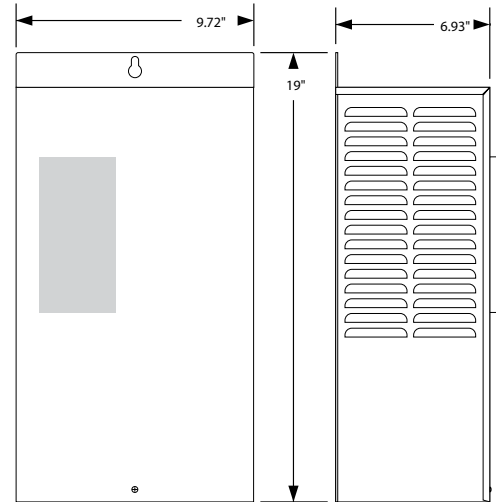
PENTEK INTELLIDRIVE SPECIFICATIONS

► Enclosure Dimensions:

- Width: 9.72" Height: 19" Depth: 6.93"
- Carton Dimensions: 10.4" width, 22.3" height, 9.4" depth
- Shipping Weight: 22 pounds
- Ambient Temperature Range: -20°C (-4°F) to 50°C (122°F)
- Ambient Humidity Range: 95% non-condensing

► Includes:

- Variable Frequency Drive
- Transducer: 1/4" thread size, 18 NPT type
- Transducer Cable: 10' length standard



MODEL NUMBER	MOTOR TYPE	HP RANGE	INPUT VOLTAGE	MAXIMUM OUTPUT AMPS	ENCLOSURE TYPE
PID10	2-WIRE* 1-PHASE	0.5 - 1 HP	190V - 265V	9.5A	NEMA 3R outdoor
	3-WIRE* 1-PHASE			7.5A	
	3-PHASE			5A	
PID20	2-WIRE* 1-PHASE	0.5 - 1.5 HP		11A	
	3-WIRE* 1-PHASE	0.5 - 2 HP		13.5A	
	3-PHASE			8.5A	
PID30	2-WIRE* 1-PHASE	0.5 - 1.5 HP		11A	
	3-WIRE* 1-PHASE	0.5 - 2 HP		13.5A	
	3-PHASE	0.5 - 3 HP		11.5A	
PID50	2-WIRE* 1-PHASE	0.5 - 1.5 HP		11A	
	3-WIRE* 1-PHASE	0.5 - 2 HP		13.5A	
	3-PHASE	0.5 - 5 HP		18A	

* Select drives by S.F. amps of pump motor.

OTHER PENTEK INTELLIDRIVE FEATURES

- **Fully Programmable Drive – Easily programmable for a variety of applications and specific settings.**
- **34 Adjustable Programming Parameters – Provides ultimate flexibility to fine-tune system operation.**
- **EMI/RFI Filters – Eliminate potential interference.**
- **Removable/Replaceable Terminal Blocks – For easy wiring of motor and power supply.**
- **State-of-the-Art Surge Protection.**

PENTEK INTELLIDRIVE ACCESSORIES

- **VFD-WS, PENTEK Moisture Sensor – Designed to shut down PENTEK INTELLIDRIVE if water is detected.**
- **VFD-ALT, PENTEK Alternator – Alternates pumps connected to PENTEK INTELLIDRIVE.**
- **VFD-SGA, PENTEK Surge Protection – Provides additional surge protection with diagnostic lights.**



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Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.