

PENTEK Intellidrive™



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.

APPLICATIONS

Residential water systems, landscape irrigation, water transfer.

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

FEATURES

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".

Advance 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.

60Hz operation is recommended as the industry standard. Intermittent 80Hz operation is an acceptable option. ** Ongoing 80Hz operation may reduce the life of the pump and motor.

ORDERING INFORMATION

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	

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Keyhole Mount
For fast and easy installation

LCD Information Center
Displays installation, status and fault information in easy-to-understand 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 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 resist water hammer

Temperature-Sensitive Intelligent Fan
Operates when needed for quiet operation

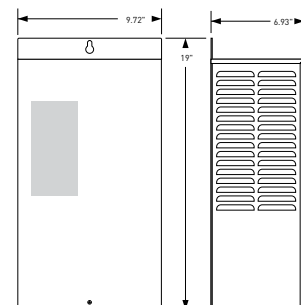
SD Card Slot
For easy software updates when provided by manufacturer

Spring Terminals
For secure connections and easy installation without special tools

Removable Terminal Blocks
For easy wiring of motor and power supply – field replaceable



OUTLINE DIMENSIONS



Dimensions (in inches) are for estimating purposes only.

