

# PENTEK INTELLIDRIVE™

## WATER PRESSURE CONTROL CENTER



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, and water transfer.

### 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".
- ◆ **ADVANCED CONTROL SYSTEM:** Needed for installation, system monitoring and troubleshooting. Easy touch pad operation.
- ◆ **GROUND DETECTION:** Detects and displays when there is a grounding problem. Shuts down system until problem is corrected.

### SPECIFICATIONS

- ◆ **Enclosure Dimensions:** Width: 9.72" Height: 19" Depth: 6.93"
- ◆ **Carton Dimensions:** Width: 10.4" Height: 22.3" Depth: 9.4"
- ◆ **Shipping Weight:** 22 pounds
- ◆ **Ambient Temperature Range:** -20°C (-4°F) to 50°C (122°F)
- ◆ **Ambient Humidity Range:** 95% non-condensing
- ◆ **Variable Frequency Drive**
- ◆ **Transducer:** 1/4" thread size, 18 NPT type
- ◆ **Transducer Cable:** 10' length standard

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.

# PENTEK INTELLIDRIVE WATER PRESSURE CONTROL CENTER

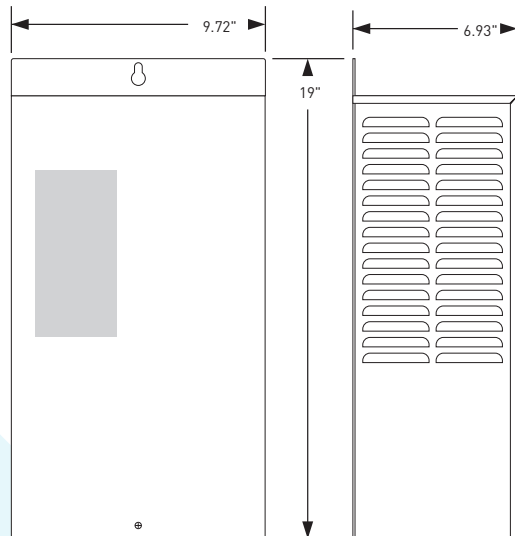
## ORDERING INFORMATION

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		

\*4" Submersible 2-Wire (PSC) and 3-Wire motors only.

## OUTLINE DIMENSIONS

Dimensions (in inches) are for estimating purposes only.



# PENTEK INTELLIDRIVE WATER PRESSURE CONTROL CENTER

## 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



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