

PENTEK Intellidrive™ XL Pump Controllers



Pentek Intellidrive XL, the latest addition to our line of variable frequency drives, is designed for large horsepower pumping applications. Selection is easy. Setup is simple. And you have powerful opportunities to customize as needs arise. All backed by expert, dedicated tech support, available to quickly and efficiently resolve any issues.

APPLICATIONS

Turf irrigation, water transfer, light commercial water systems and agricultural.

SPECIFICATIONS

HP Ratings: 1-150

Voltage: 230, 460, 575

Frequency: 50/60 Hz

Standard I/O: Digital Inputs: 6; Analog Inputs: 2; Pulse Inputs: 2; Relays: 2; Digital Outputs: 2; Analog Outputs: 4

Communication: Modbus RTU

Enclosure Type: NEMA 1, 3R, 4X, IP20
Open/Chassis

FEATURES

Pentek Intellidrive XL:

Variable Speed Control: Meets requirements of process control with constant pressure at variable flow conditions or constant flow at variable pressure conditions.

Reduced Energy Costs: Calculate energy savings online using BEC2 software at www.bec2.net.

Pump System Protection: Dry Run detection, check valve ramp, pipe fill mode, Sleep mode, no/low flow detection, end of pump curve detection, integrated mains disconnect switch (optional), real-time clock battery backup.

Phase Conversion: Single phase input drives are available that convert to 3 phase output.

Simple Setup:

Pump and Motor Settings: Above/Below Ground, Horsepower, Voltage, Current, Nominal Speed.

System Learning: No Load, Sleep, No Flow.

Ready to Go! That's it. The drive is now ready for use. Following those simple steps to configure your system for constant pressure has you ready to move to the next job.

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ORDERING INFORMATION				
SINGLE PHASE INPUT DRIVES				
OUTPUT AMPS	INPUT VOLTAGE	INPUT PHASE	NEMA RATING	MODEL NUMBER
24.2	230	1	NEMA 1	PID007512ND
30.8				PID010012ND
59.4				PID020012ND
88				PID030012ND
24.2			NEMA 3R	PID007532ND
30.8				PID010032ND
59.4				PID020032ND
88				PID030032ND

ORDERING INFORMATION				
SINGLE PHASE INPUT DRIVES				
OUTPUT AMPS	INPUT VOLTAGE	INPUT PHASE	NEMA RATING	MODEL NUMBER
24.2	230	1	NEMA 4X	PID007542ND
30.8				PID010042ND
59.4				PID020042ND
88				PID030042ND

ORDERING INFORMATION											
THREE PHASE INPUT DRIVES			NEMA 1		NEMA 3R		NEMA 4X		OPEN CHASSIS		
OUTPUT AMPS	INPUT VOLTAGE	INPUT PHASE	NO DISCONNECT	DISCONNECT	NO DISCONNECT	DISCONNECT	NO DISCONNECT	DISCONNECT	NO DISCONNECT		
4.6	230	3	PID001013ND	PID001013FD	PID001033ND	PID001033FD	PID001043ND	PID001043FD	PID001003ND		
7.5			PID002013ND	PID002013FD	PID002033ND	PID002033FD	PID002043ND	PID002043FD	PID002003ND		
10.6			PID003013ND	PID003013FD	PID003033ND	PID003033FD	PID003043ND	PID003043FD	PID003003ND		
16.7			PID005013ND	PID005013FD	PID005033ND	PID005033FD	PID005043ND	PID005043FD	PID005003ND		
24.2			PID007513ND	PID007513FD	PID007533ND	PID007533FD	PID007543ND	PID007543FD	PID007503ND		
30.8			PID010013ND	PID010013FD	PID010033ND	PID010033FD	PID010043ND	PID010043FD	PID010003ND		
46.2			PID015013ND	PID015013FD	PID015033ND	PID015033FD	PID015043ND	PID015043FD	PID015003ND		
59.4			PID020013ND	PID020013FD	PID020033ND	PID020033FD	PID020043ND	PID020043FD	PID020003ND		
74.8			PID025013ND	PID025013FD	PID025033ND	PID025033FD	PID025043ND	PID025043FD	PID025003ND		
88			PID030013ND	PID030013FD	PID030033ND	PID030033FD	PID030043ND	PID030043FD	PID030003ND		
115			PID040013ND	PID040013FD	PID040033ND	PID040033FD	PID040043ND	PID040043FD	PID040003ND		
143			PID050013ND	PID050013FD	PID050033ND	PID050033FD	PID050043ND	PID050043FD	PID050003ND		
170			PID060013ND	PID060013FD	PID060033ND	PID060033FD	PID060043ND	PID060043FD	PID060003ND		
2.1			460	3	PID001014ND	PID001014FD	PID001034ND	PID001034FD	PID001044ND	PID001044FD	PID001004ND
3.4					PID002014ND	PID002014FD	PID002034ND	PID002034FD	PID002044ND	PID002044FD	PID002004ND
4.8					PID003014ND	PID003014FD	PID003034ND	PID003034FD	PID003044ND	PID003044FD	PID003004ND
8.2					PID005014ND	PID005014FD	PID005034ND	PID005034FD	PID005044ND	PID005044FD	PID005004ND
11					PID007514ND	PID007514FD	PID007534ND	PID007534FD	PID007544ND	PID007544FD	PID007504ND
14.5	PID010014ND	PID010014FD			PID010034ND	PID010034FD	PID010044ND	PID010044FD	PID010004ND		
21	PID015014ND	PID015014FD			PID015034ND	PID015034FD	PID015044ND	PID015044FD	PID015004ND		
27	PID020014ND	PID020014FD			PID020034ND	PID020034FD	PID020044ND	PID020044FD	PID020004ND		
34	PID025014ND	PID025014FD			PID025034ND	PID025034FD	PID025044ND	PID025044FD	PID025004ND		
40	PID030014ND	PID030014FD			PID030034ND	PID030034FD	PID030044ND	PID030044FD	PID030004ND		
52	PID040014ND	PID040014FD			PID040034ND	PID040034FD	PID040044ND	PID040044FD	PID040004ND		
65	PID050014ND	PID050014FD			PID050034ND	PID050034FD	PID050044ND	PID050044FD	PID050004ND		
80	PID060014ND	PID060014FD			PID060034ND	PID060034FD	PID060044ND	PID060044FD	PID060004ND		
105	PID075014ND	PID075014FD			PID075034ND	PID075034FD	PID075044ND	PID075044FD	PID075004ND		
130	PID100014ND	PID100014FD			PID100034ND	PID100034FD	PID100044ND	PID100044FD	PID100004ND		
160	PID125014ND	PID125014FD			PID125034ND	PID125034FD	PID125044ND	PID125044FD	PID125004ND		
1.7	575	3			PID001015ND	PID001015FD	PID001035ND	PID001035FD	PID001045ND	PID001045FD	PID001005ND
2.7					PID002015ND	PID002015FD	PID002035ND	PID002035FD	PID002045ND	PID002045FD	PID002005ND
3.9			PID003015ND	PID003015FD	PID003035ND	PID003035FD	PID003045ND	PID003045FD	PID003005ND		
6.1			PID005015ND	PID005015FD	PID005035ND	PID005035FD	PID005045ND	PID005045FD	PID005005ND		
9			PID007515ND	PID007515FD	PID007535ND	PID007535FD	PID007545ND	PID007545FD	PID007505ND		
11			PID010015ND	PID010015FD	PID010035ND	PID010035FD	PID010045ND	PID010045FD	PID010005ND		
18			PID015015ND	PID015015FD	PID015035ND	PID015035FD	PID015045ND	PID015045FD	PID015005ND		
22			PID020015ND	PID020015FD	PID020035ND	PID020035FD	PID020045ND	PID020045FD	PID020005ND		
27			PID025015ND	PID025015FD	PID025035ND	PID025035FD	PID025045ND	PID025045FD	PID025005ND		
34			PID030015ND	PID030015FD	PID030035ND	PID030035FD	PID030045ND	PID030045FD	PID030005ND		
41			PID040015ND	PID040015FD	PID040035ND	PID040035FD	PID040045ND	PID040045FD	PID040005ND		
52			PID050015ND	PID050015FD	PID050035ND	PID050035FD	PID050045ND	PID050045FD	PID050005ND		
62			PID060015ND	PID060015FD	PID060035ND	PID060035FD	PID060045ND	PID060045FD	PID060005ND		
83			PID075015ND	PID075015FD	PID075035ND	PID075035FD	PID075045ND	PID075045FD	PID075005ND		
100			PID100015ND	PID100015FD	PID100035ND	PID100035FD	PID100045ND	PID100045FD	PID100005ND		
131			PID125015ND	PID125015FD	PID125035ND	PID125035FD	PID125045ND	PID125045FD	PID125005ND		



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