

# Intelligent Pressure Controller

Installation of intelligent controller makes ordinary pump intelligent, simpler and more advanced



**Multi-frequency**

50/60 HZ available



**Wide Voltage**

Range 90-265V



**Wide Power**

Range 0.1-2.2kw Motor



**Energy Saving**



**Waterproof**

## Working Principle

- Auto start the pump either by pressure lower than Starting pressure or by flow switch open. when starting the pump, it allows 3'20" self-priming time to prime the pump in case. (timing can be modified before ex-works)
- Stop the pump automatically by flow switch closed. Stop the pump in the case of water shortage. it will continuous running 3'20", then will stop the pump.
- Able to adjust the starting pressure easily by +, - button, to suit different working circumstance



PCN-2200(A)

PCN-2200A, With 1L built-in Tank, for pressure buffer  
"A" means intelligence



PCN-2200(M)

"M" means start pressure can be adjusted manually

## Features

- With built-in pressure sensor & flow switch & non-return valve
- Starting Pressure: **0-10bar (adjustable)**
- Max. Rated Current: **10A, up to 2.2KW motor**
- Max. Allowable Pressure: **15bar**
- Wide Voltage Range: **90-260V**
- Frequency: **50/60Hz**
- Max. Ambient Temp.: **40°C**
- Max Liquid Temperature: **80°C**
- Protection Degree: **IP65 (PCB with anti-humidity epoxy resin)**
- **Energy Saving**
- Joint Screw: **G1" male**
- Able for horizontal installation.



# Intelligent Pressure Controller

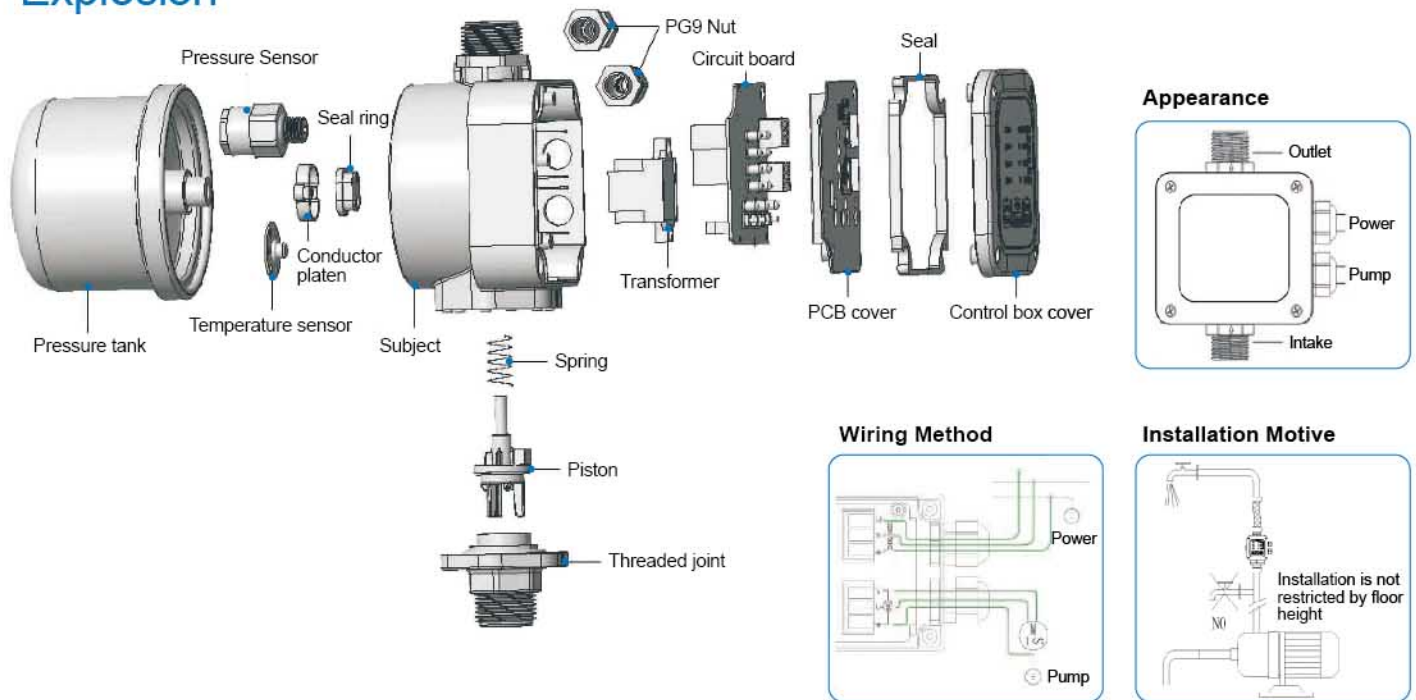
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## Applications

Widely workable with different type of pump, including deep well submersible pump for self-priming, and also automatically sense the max. pressure of pump, and then to set by certain percentage of max. pressure as "Starting" pressure automatically. No manual setting of starting pressure in Auto Mode.



## Explosion



## Technical parameter

Model	Power kW	Voltage (v)	Max.current (A)	Frequency (Hz)	Pcs/Carton	Outer box size (mm)1pcs	Outer box size (mm)12pcs	G.W. (kg)
PCN-2200(AS)	0.1-2.2	90-260V	10	50/60	12	198x135x190	418x408x395	1.4
PCN-2200(M)	0.1-2.2	90-260V	10	50/60	12	198x135x112	418x408x238	0.72

# PK



### PCN-2200AS/M



### Traditional Controller

Starting Pressure	<b>0-10bar (adjustable)</b>	1.5bar or 2.2bar
Max Rated Current	<b>10A, from 0.1KW-2.2KW Motor</b>	10A, from 0.37KW-1.1KW Motor
Max Allowable Pressure	<b>15bar</b>	10bar
Rated Voltage	<b>90-260V</b>	110V or 220V
Max Liquid Temperature	<b>80°C</b>	60°C
Waterproof	<b>YES</b>	NO
Energy Saving	<b>Digital Power Chip, very low standby power consumption, less than 5W per day</b>	traditional resistance power, over 30W per day
Heat of Controller	<b>35°C</b>	60°C