

to be your pumping partner



**Control equipment
and pump protection**



SHANGHAI JIT SMART TECH
to be your pumping partner

Smart Pump Control Panel

Model PCS11

Main introduction

PCS11 is an easy to use, simple and reliable smart single-phase pump control and protection device, which can be widely used to control and protect deep well pump, sewage pump, self-priming pump, centrifugal pump, pipeline pump, etc

Main technical data

- Start type: DOL (Direct on line)
- Qty of controlled pump: single pump control
- Support external sensing devices:
 - Float switch (ON/OFF)
 - Pressure switch(ON/OFF)
 - Liquid probe
 - PT100 temperature sensor (**separate PT100 temperature sensor expansion module required**)
- Capacitor: reserved spce for installing start capacitor
- Rated input voltage & output power

Max Motor Output at AC 220V / 1Phase		Start Capacitor	Full Load Ampere(A)	Max Starting Ampere
HP	KW	Uf		
1.0	0.37	16	12A	60A
1.5	0.55	20		
1.0	0.75	30		
1.5	1.1	40		
2.0	1.5	60		
3.0	2.2	70		

**customization input voltage, please contact the manufacturer*

** start capacitor value varies according to different motor,please consult with motor manufacturer*

Other features

- Pure cycle timer control
- Pump stop timer under manual control state
- Pump last five fault record displaying
- Pump accumulative running time displaying
- Dynamic LCD displays pump running information
- Memory Function when Power Off & Power Recovery
- Optional function expansion module, including PT100 temperature sensor expansion module
- A friendly human-machine interface is provided by LCD module
- All electronic components with good stability, product quality is stable and reliable



Protection function

- Dry run protection with sensor free
- Pump stalled protection
- Overload protection
- Under voltage protection
- Over voltage protection

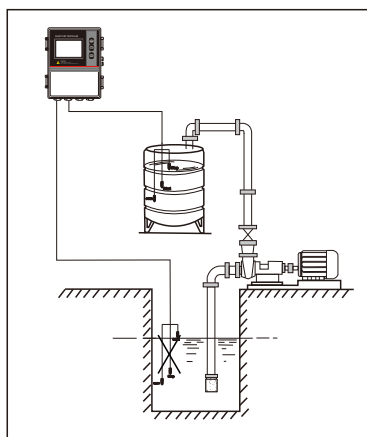
Smart Pump Control Panel Model PCS11

Application

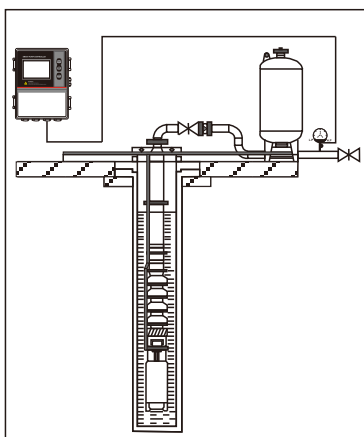
- Applied for water transfer from low tank to upper tank by liquid probe or float switch
- Applied for booster by pressure switch & pressure tank.
- Applied for sewage lifting by liquid probe or float switch
- Applied for pure cycle timer control (no any logic control chacteristic)
- Applied for temperature control by PT100 temperature sensor (separate PT100 temperature sensor expansion module required)

Typical Application Example

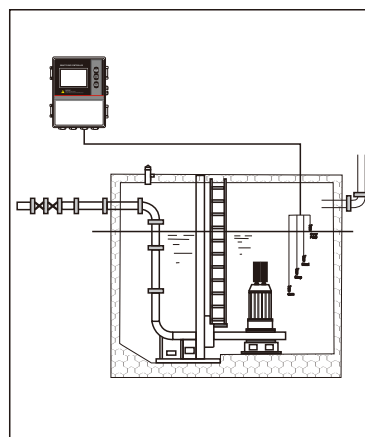
Feed water / Water transfer



Pressure boosting

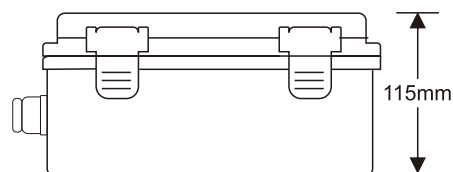
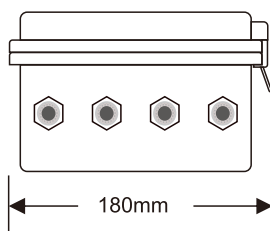
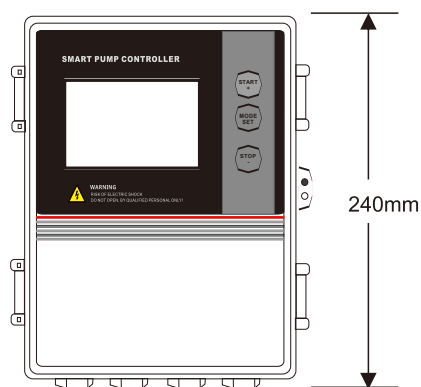


Drainage / Sewage



Main installation data

- Working temperature: -25°C -- 55°C
- Working humidity: 20%-90%RH, no condensing
- Degree of protection: IP65
- Mounting type: Wall mounting
- Panel dimension(L x W x H): 240*180*115mm



Smart Pump Control Panel Model PCS31

Main introduction

PCS31 is an easy to use, simple and reliable smart three-phase pump control and protection device, which can be widely used to control and protect deep well pump, sewage pump, self-priming pump, centrifugal pump, pipeline pump, etc

Main technical data

- Start type: DOL (Direct on line)
- Qty of controlled pump: single pump control
- Support external sensing devices:
Float switch (ON/OFF)
Pressure switch(ON/OFF)
Liquid probe
PT100 temperature sensor (separate PT100 temperature sensor expansion module required)
- Rated input voltage: AC380V-400V 50HZ/60HZ, Three phase
- Rated output power: 0.75kw-4kw(1hp-5.5hp) / 5.5kw-7.5kw(7.5hp-10hp) / 11kw(15hp) / 15kw(20hp)



Max Motor Output at AC380V / 3Phase		Full Load Ampere(A)	Max Starting Ampere
HP	KW		
1.0	0.75	12A	60A
1.5	1.1		
2.0	1.5		
3.0	2.2		
4.0	3.0		
5.5	4.0	18A	90A
7.5	5.5		
10	7.5		
15	11	25A	125A
20	15	32A	160A

* customization input voltage, please contact the manufacturer

Other features

- Pure cycle timer control
- Pump stop timer under manual control state
- Pump last five fault record displaying
- Pump accumulative running time displaying
- Dynamic LCD displays pump running information
- Memory Function when Power Off & Power Recovery
- Optional function expansion module, including PT100 temperature sensor expansion module
- A friendly human-machine interface is provided by LCD module
- All electronic components with good stability, product quality is stable and reliable

Protection function

- Dry run protection with sensor free
- Pump stalled protection
- Overload protection
- Under voltage protection
- Over voltage protection
- Open phase protection

Smart Pump Control Panel

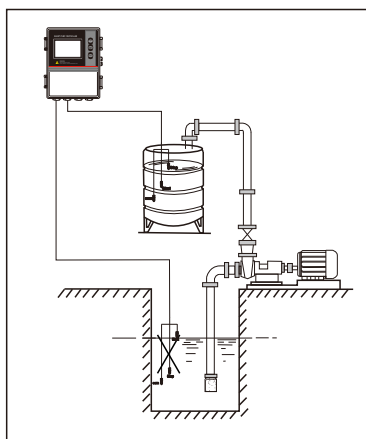
Model PCS31

Application

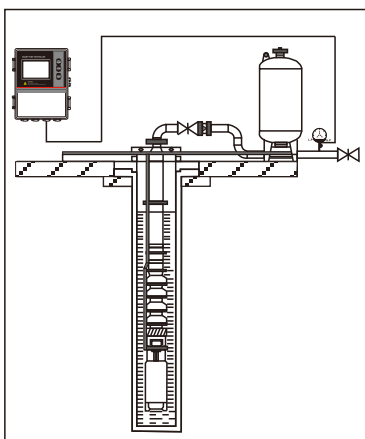
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Typical Application Example

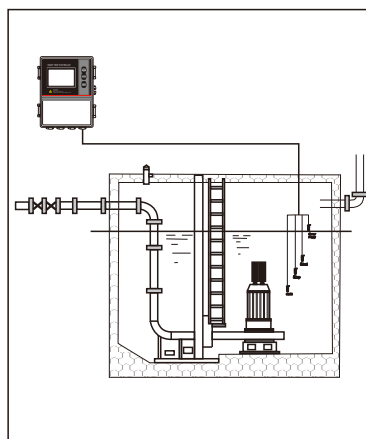
Feed water / Water transfer



Pressure boosting



Drainage / Sewage



Main installation data

- Working temperature: -25°C -- 55°C
- Working humidity: 20%-90%RH, no condensing
- Degree of protection: IP65
- Mounting type: Wall mounting
- Panel dimension(L x W x H): 240*180*115mm

