

Pump Control Panel

Installation & Operation Manual

Ver.2.0



4.APPLICATION SETTING

Pump users can set the function switch to meet different application requirements, before setting the function switch, the controller should be disconnected from the power supply, after completing the conforming setting, apply power to the controller.

item	2P switch position	Application
1	00	Applied for water supply from down tank to overhead tank
2	11	Applied for booster by pressure switch
3	01	Applied for drainage by level sensor
4	10	Applied for time setting for pump start and stop
item	1P switch position	Application
5	1	Applied for Temp control

5.PARAMETER SETTING

pump user can adjust this setting value after Parameter Calibrating completed!

How to enter the parameter setting menu under manual state, making sure no pump running, press "MODE" button, after 3 seconds, enter the parameter setting menu;

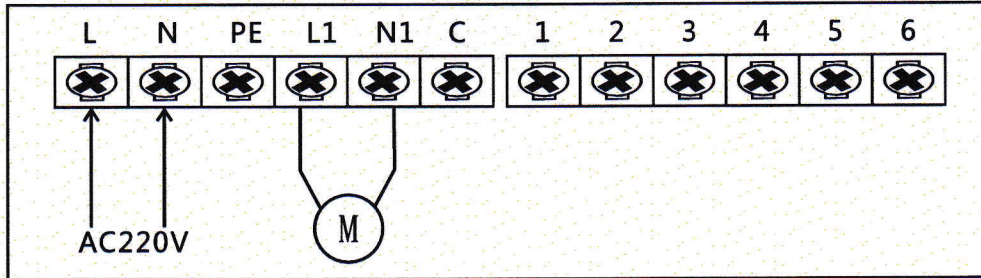
How to adjust the menu after entering the setting menu; press "MODE" button to choose parameter item number; press "STRAT" button to add the data value; press STOP button to minus the data value; press "MODE" button to save the data value

Parameter Item No	Parameter definition	Adjusting range	Default value & remark
001	Dry run protection trip ampere		0.0A
002	Over load protection trip ampere		26.0A (0.75-7.5kw) 52A (11-15kw)
003	Pump stalled protection trip ampere		33.0A (0.75-7.5kw) 66.0A (11-15kw)
004	Under voltage protection trip voltage		175V - Default (Single Phase) 300V - Default (Three Phase)
005	Over voltage protection trip voltage		253V - Default (Single Phase) 439V - Default (Three Phase)
006	Dry run protection trip response time	0-254S	6S - Default Unit is second (S)
007	Dry run protection recovery time	0-254M	5M - Default Unit is minute (M)
008	Pump running timer	0-254M	5M - Default Unit is minute (M) Pump running timer valid only the controller is under the application of pure circle timer control.
009	Pump stop timer	0-254M	5M - Default Unit is minute (M) Pump stop timer valid only the controller is under the application of pure circle timer control.
010	Pump stop timer under manual state	0-254M	0M - Default Unit is minute (M) 0M means this stop timer non activated.
011	LCD & button operation lock function	00-01	00 - Default 00= LCD & button operation function non activated 01= LCD & button operation function activated
012	Open phase protection & phase reverse protection enable and disable	00-03	03- Default 00=Open phase protection & phase reverse protection disable 01=Open phase protection disable, phase reverse protection enable 02=Open phase protection enable, phase reverse protection disable 03=Open phase protection & phase reverse protection enable
<i>The following parameter items are only visible when the controller is under the application of temperature control by PT100 temperature sensor and PT100 temperature sensor expansion module equipped.</i>			
013	Pump start temperature	0-100 C	35 C - Default Unit is degree celsius When temperature is below 35 C, pump will start;
014	Pump stop temperature	0-100 C	45 C - Default Unit is degree celsius When temperature is below 45 C, pump will stop;

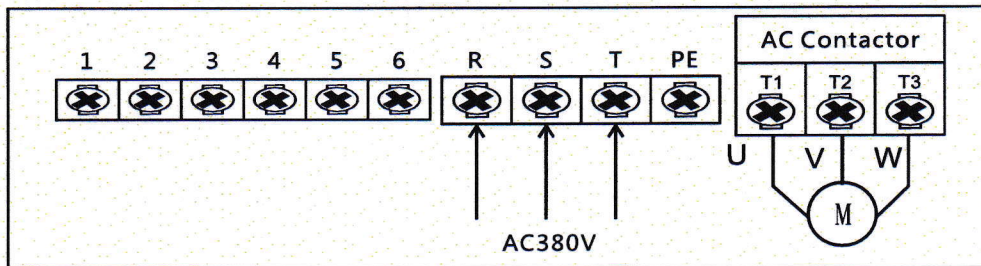
Remark:when 1P dip switch setting at 1,
item :011/012 available in the parameter list .

6.INPUT AND OUTPUT POWER WIRING DIAGRAM

6.1 Single phase input and output wiring:



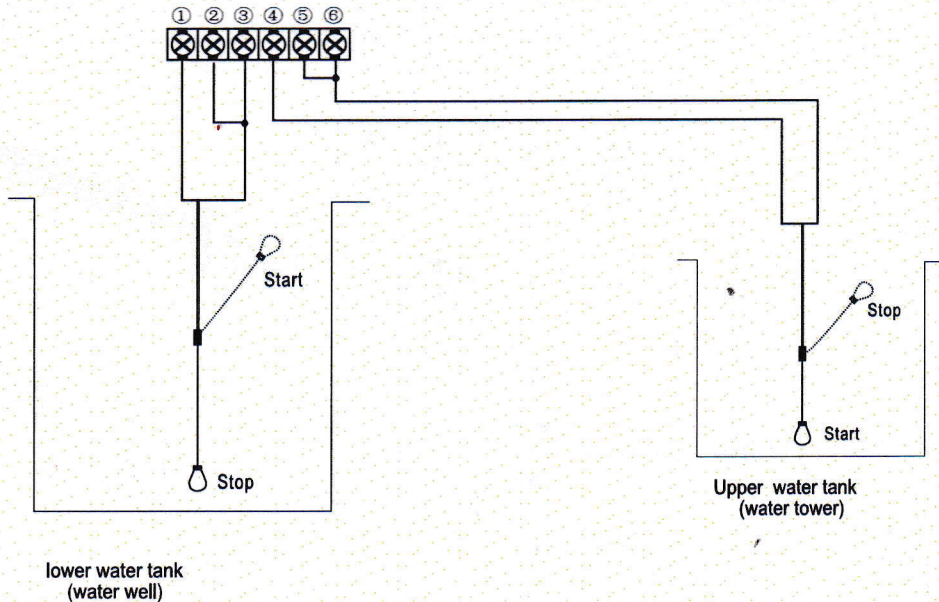
6.2 Three phase input and output wiring:



Remark:when make connection with probe/float switch/pressure switch ,these terminal can take it out for easy operation .


7.SENSOR WIRING

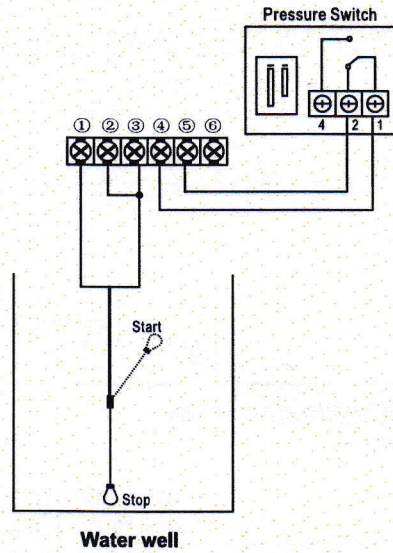
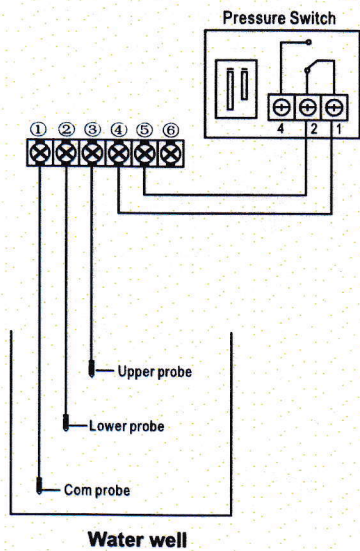
7.1 Applied for water supply from down tank to overhead tank,2P switch at position:



REMARK:

if it is used in submersible pump for deep well, pipeline pump or other situations when it is inconvenient to install lower liquid probe in the well, pump users can put terminals 1、2、3 in short circuit which minimize the troubles and costs.

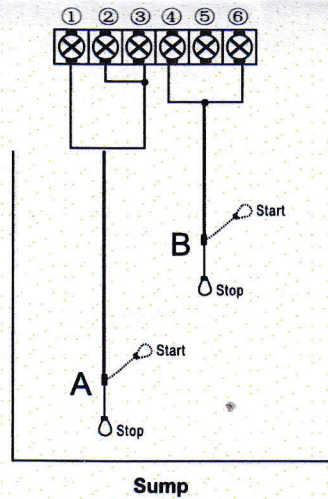
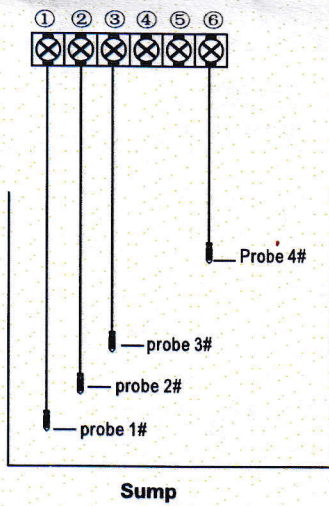
7.2 Applied for booster by pressure switch, 2P switch at position: 



REMARK:

if it is used in submersible pump for deep well, pipeline pump or other situations when it is inconvenient to install lower liquid probe in the well, pump users can put terminals 1、2、3 in short circuit, which minimize the troubles and costs.

7.3 Applied for drainage by level sensor, 2P switch at position: 



7.4 Applied for Temp control (optional): 

