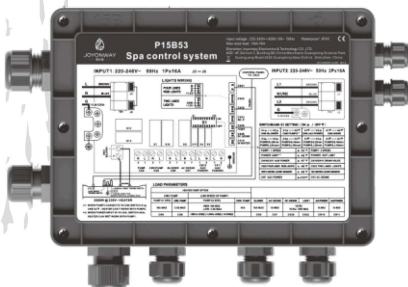


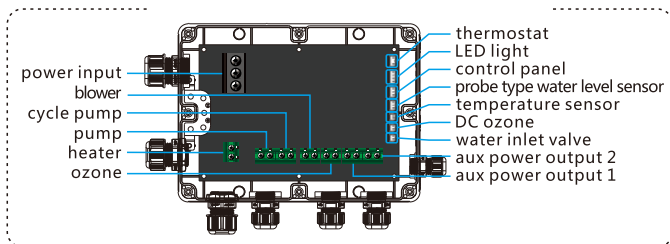


JOYONWAY

P15B53 control system

Quick installation guide

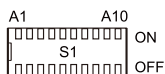




I

Configure and connect the loads, when the system is powered off

Configure dial switch position A1-A10 according to the dial switch S1 configuration table (figure on the right) on the control system PCB.



Configure the loads according to dial switch S1 configuration table on the wiring diagram.

SWITCHBANK S1 SETTING (ON ▲ / OFF ▼)

A1▲ and A2▲ CN9 BLOWER	A1▲ and A2▼ CN9 PUMP2	A1▼ and A2▲ CN9 AUX POWER	A1▼ and A2▼ CN9 NONE
A3▲ and A4▲ PUMP(H):20min PUMP(L):2hours	A3▲ and A4▼ PUMP(H):40min PUMP(L):2Hours	A3▼ and A4▲ PUMP(H):20min PUMP(L):20min	A3▼ and A4▼ PUMP(H):40min PUMP(L):40min
PUMP1 1 SPEED		▲ A5 ▼	PUMP1 2 SPEED
POWER LIMIT		▲ A6 ▼	POWER NOT LIMIT
CN10/CN11 AUX POWER		▲ A7 ▼	CN10/CN11 DRAIN VALVE
CN22 FOUR LINES RGB LIGHTS		▲ A8 ▼	CN22 TWO LINES LIGHTS
WITH WATER LEVER SENSOR		▲ A9 ▼	NO WATER LEVER SENSOR
CN7 AUX POWER		▲ A10 ▼	CN7 AC OZONE

Load configuration

A1, A2: (CN9 output function setting)

If there is blower function in the control system, please pull A1 to ON▲, A2 to ON▲. Then CN9 will be the blower function output.

If there is pump 2 function in the control system, please pull A1 to ON▲, A2 to OFF▼. Then CN9 will be the pump 2 function output.

If there is no blower or pump 2 function in the control system but there is auxiliary power function, please pull A1 to OFF▼, A2 to ON▲. Then CN9 will be the auxiliary power function output.

If there is no blower, pump 2 function or auxiliary power function in the control system, please pull A1 to OFF▼, A2 to OFF▼. Then CN9 will be ineffective.

A3, A4: (pump working time setting. If the pump is single speed pump, then its working time will be according to PUMP (H) time.)

A5: (pump 1 single or double speed setting)

ON▲: Pump 1 will be single speed pump. Cycle pump will be a separate pump.

OFF▼: Pump1 will be double speed pump. Cycle pump will be the low speed pump of pump 1.

A6: (power limit setting. If power input is 220VAC-240VAC 50HZ 1P*16A, then power limit must be effective; if power input is 240VAC 60Hz 32A, dial switch A6 is ineffective.)

ON▲: Power limit is effective. Heater and pump 1 (being on high speed of double speeds) can not work at the same time.

OFF▼: Power limit is ineffective.

A7: (CN10/CN11 output function setting)

ON▲: CN10/CN11 auxiliary power output

OFF▼:CN 10 is its power output when the drain motor is started; CN 11 is its power output when the drain motor is shut off.

A8: (RGB light function setting)

ON▲:Four wire RGB light

OFF▼:Two wire RGB light

A9: (water level sensing function setting)

ON▲: Water level sensing function is effective (pump and heater can only be started when there is water sensed). And water inlet function will be effective.

OFF▼:Water level sensing function is ineffective.

A10: (CN7 output function setting)

ON▲:Auxiliary power output

OFF▼:AC220V ozone output

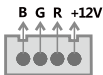
Connect the loads to be used according to load parameter table in the wiring diagram and light connecting diagram.

LOAD PARAMETERS

HEATER PUMP OPTION									
CIRC PUMP		LOW SPEED OF PUMP1							
PUMP1 (1 SPD)	CIRC PUMP	PUMP1(2 SPD)	CIRC PUMP	BLOWER	AC OZONE	DC OZONE	LIGHT	AUX POWER1	AUX POWER2
10A MAX	2.5A MAX	HIGH: 10A MAX LOW: 2.5A MAX	N/A	10A MAX	1A MAX	12VDC TOTAL 18W MAX		1A MAX	1A MAX
CN6	CN8	HIGH-L-CNR(1) / LOW-L-CNR(1) / N-CNR(2)		CN9	CN7	CN29	CN22	CN10	CN11

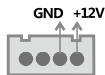
light cable
connection diagram

① 4 wire RGB light



light cable
connection diagram

② 2 wire light

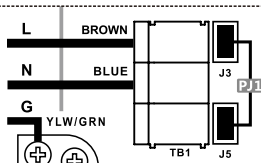


III

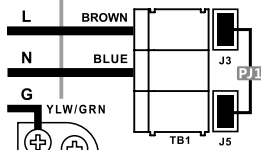
Connect the main power
(when the control system is powered off)

Locate the jumper position

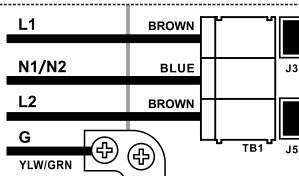
Voltage input : 220-240V~
50Hz 1P*16A
Jumper position
PJ1 J3-J5



Voltage input : 240V~ 60Hz 32A
Jumper position
PJ1 J3-J5



Voltage input : 220-240V~
50Hz 2P*16A
Jumper position
N/A N/A



IV

power input setting

When the control system is powered on, press "⏪" and "⏩" at the same time for 2 seconds, to enter power input setting interface. Within 2 seconds, press "⊕" to change the power input.



Information displayed on the panel is as following:

220VAC ~ 240VAC 50Hz 1P*16A (panel LCD displaying CE 1)

220VAC ~ 240VAC 50Hz 2P*16A (panel LCD displaying CE 2)

240VAC 60Hz 32A

(panel LCD displaying UL)



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