

## Product overview

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**Power input:** 220-240V~ 32A 50Hz  
380-415V 3N~ 22A 50Hz  
120V~ 32A 60Hz  
240V~ 32A 60Hz  
240V~ and 120V~ 32A 60Hz

Output for one set of ON/OFF type or  
RGB type SPA light (+5V/2A or +12/1A)  
1 set of single-speed pump (10.5A)  
1 set of blower (10.5A)  
1 set of circ-pump (3.5A)  
1 set of thermostatic heating  
(2000W or 3000W or 4000W@230V~)  
1 set of ozone (1A)  
1 set of auxiliary power output (10.5A)



Use of ambient temperature -20°C~55°C

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Clock display	Freeze protection	Heating timer	Water circulation timer
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<b>Matched panels:</b>	Any version of PB562/PB562 Plus	<b>Heating element:</b>	2KW heating tube
	Any version of PB563/PB563 Plus		3KW heating tube
	Any version of PB565/PB565 Plus		4KW heating tube

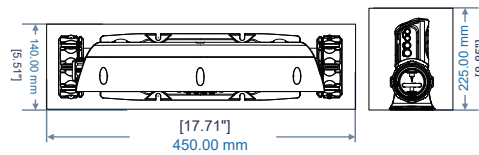
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# Product dimensions

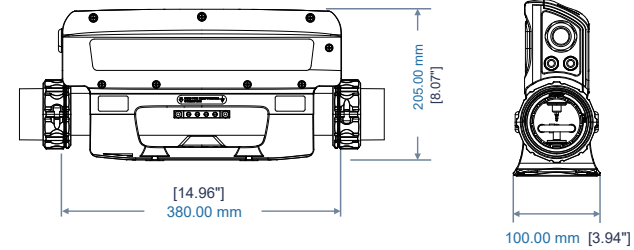
## P68B123 Control System Dimensions and Installation Instruction



Designs of P68B123 control system



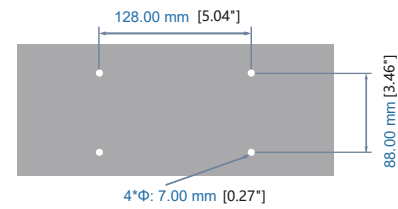
The distance between the product and obstacles should be above 20mm  
Minimum space reserved W: 140.00mm  
H: 225.00mm D: 450.00mm



Plumbing



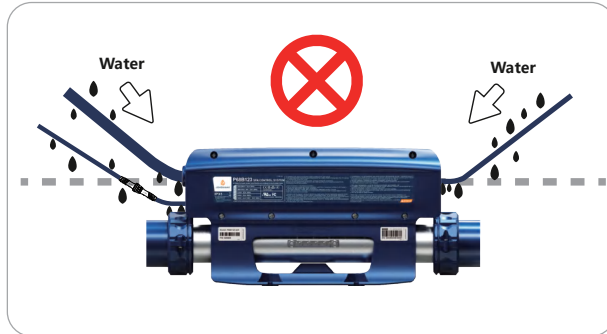
Plumbing



Suggested hole size

## Installation Instruction

### Wire installation



Error of control system wire connecting, as shown in the above figure



Because the driver may operate in a humid environment, steam may condense into water droplets on the wire of the product due to the large temperature difference and other reasons, or water leakage may occur. The water will flow to the product along wire, and the product may be damaged if soaked for a long time. It is strongly recommended to install the driver according to the following requirements:

**All the wires of the control system are bent into a U shape, as shown in the above figure**

## Installation Instruction

### P68B123 Power Cable Specifications

It is recommended to use 3 \* 6mm<sup>2</sup> cable when the total load current is 32A



220 - 240V~ 32A 50Hz	③ - L BROWN ② - N BLUE ① - G YE/GN
J2 - J3 J4 - J5 J6 - J7	

It is recommended to use 4 \* 2.5mm<sup>2</sup> or 4 \* 4mm<sup>2</sup> power cable when the total load current is 22A



380 - 415V 3N~ 22A 50Hz	④ - L2 BLACK ③ - L1 BROWN ② - N BLUE ① - G YE/GN
J2 - J3 J1 - J7 J4 - J5	

It is recommended to use a 3 \* 10AWG power cable when the total load current is 32A



240V~ 32A 60Hz	③ - L1 BLACK ② - L2 RED ① - G GREEN
J2 - J3 J4 - J5 J6 - J7	

It is recommended to use a 4 \* 10AWG power cable when the total load current is 32A



240V~ and 120V~ 32A 60Hz	④ - N WHITE ③ - L1 BLACK ② - L2 RED ① - G GREEN
J1 - J3 J4 - J5 J6 - J7	

It is recommended to use a 4 \* 10AWG power cable when the total load current is 32A



240V~ and 120V~ 32A 60Hz	④ - L2 RED ③ - L1 BLACK ② - N WHITE ① - G GREEN
J2 - J3 J1 - J5 J6 - J7	

It is recommended to use a 3 \* 10AWG power cable when the total load current is 32A



120V~ 32A 60Hz	③ - L BLACK ② - N WHITE ① - G GREEN
J2 - J3 J4 - J5 J6 - J7	

**Users choose the appropriate power cable based on the actual load electrical parameters.**

For supply connections , Use copper conductors only, Temperature at least 75°C (167°F),

## Power supply and load

### POWER INPUT AND LOAD OUTPUT

PAY ATTENTION TO THE DIFFERENT CONNECTIONS BETWEEN J1/J2/J3/J4/J5/J6/J7 IN EACH POWER TYPE.

CONNECTOR POWER TYPE	POWER INPUT TB1	PUMP1(1 SPEED)*4			PUMP1(2 SPEED)*4 PUMP1 (HEATER PUMP)	BLOWER (PUMP2) CN2	OZONE CN4	AUX CN10	HEATER J15 J16	LIGHT CN22
		PUMP1(1 SPD)	CIRC PUMP (HEATER PUMP)							
		CN1	CN3	CN1						
220 - 240V~ 32A 50Hz J2 - J3 J4 - J5 J6 - J7	④ - L BROWN ② - N BLUE ① - G YE/GN	4-L / 3(N/A) 2-N / 1-G	4-L / 3(N/A) 2-N / 1-G	4-L-HI / 3-L-LO 2-N / 1-G	4-L / 3(N/A) 2-N / 1-G	4-L / 3(N/A) 2-N / 1-G	2-L 1-N	J15-L J16-N	12V 1A or 5V 2A	
220-240V~ 10.5A	220-240V~ 10.5A	220-240V~ 10.5A	220-240V~ 10.5A	220-240V~ 10.5A	220-240V~ 10.5A	220-240V~ 1A	220-240V~ 10.5A	220-240V~		
380 - 415V 3N~ 22A 50Hz J2 - J3 J1 - J7 J4 - J5	④ - L2 BLACK ③ - L1 BROWN ② - N BLUE ① - G YE/GN	4-L1 / 3(N/A) 2-N / 1-G	4-L1 / 3(N/A) 2-N / 1-G	4-L1-HI / 3-L1-LO 2-N / 1-G	4-L1 / 3(N/A) 2-N / 1-G	4-L1 / 3(N/A) 2-N / 1-G	2-L1 1-N	J15-L2 J16-N	12V 1A or 5V 2A	
220-240V~ 10.5A	220-240V~ 10.5A	220-240V~ 3.5A	220-240V~ 10.5A	220-240V~ 10.5A	220-240V~ 10.5A	220-240V~ 1A	220-240V~ 10.5A	220-240V~		
240V~ 32A 60Hz J2 - J3 J4 - J5 J6 - J7	④ - L1 BLACK ② - L2 RED ① - G GREEN	4-L1 / 3(N/A) 2-L2 / 1-G	4-L1 / 3(N/A) 2-L2 / 1-G	4-L1-HI / 3-L1-LO 2-L2 / 1-G	4-L1 / 3(N/A) 2-L2 / 1-G	4-L1 / 3(N/A) 2-L2 / 1-G	2-L1 1-L2	J15-L1 J16-L2	12V 1A or 5V 2A	
240V~ 10.5A	240V~ 10.5A	240V~ 3.5A	240V~ 10.5A	240V~ 10.5A	240V~ 10.5A	240V~ 1A	240V~ 10.5A	240V~		
240V~ and 120V~ 32A 60Hz J1 - J3 J4 - J5 J6 - J7	④ - N WHITE ③ - L1 BLACK ② - L2 RED ① - G GREEN	4-L1 / 3(N/A) 2-L2 / 1-G	4-L1 / 3(N/A) 2-N / 1-G	N/A	4-L1 / 3(N/A) 2-L2 / 1-G	4-L1 / 3(N/A) 2-N / 1-G	2-L1 1-L2	J15-L1 J16-L2	12V 1A or 5V 2A	
240V~ 10.5A	120V~ 10.5A	120V~ 3.5A	N/A	240V~ 10.5A	120V~ 1A	240V~ 10.5A	240V~			
240V~ and 120V~ 32A 60Hz J2 - J3 J1 - J5 J6 - J7	④ - L2 RED ③ - L1 BLACK ② - N WHITE ① - G GREEN	4-L1 / 3(N/A) 2-N / 1-G	4-L1 / 3(N/A) 2-N / 1-G	4-L1-HI / 3-L1-LO 2-N / 1-G	4-L1 / 3(N/A) 2-N / 1-G	4-L1 / 3(N/A) 2-N / 1-G	2-L1 1-N	J15-L1 J16-L2	12V 1A or 5V 2A	
120V~ 10.5A	120V~ 10.5A	120V~ 3.5A	120V~ 10.5A	120V~ 10.5A	120V~ 1A	120V~ 10.5A	240V~			
120V~ 32A 60Hz J2 - J3 J4 - J5 J6 - J7	③ - L BLACK ② - N WHITE ① - G GREEN	4-L / 3(N/A) 2-N / 1-G	4-L / 3(N/A) 2-N / 1-G	4-L-HI / 3-L-LO 2-N / 1-G	4-L / 3(N/A) 2-N / 1-G	4-L / 3(N/A) 2-N / 1-G	2-L 1-N	J15-L J16-N	12V 1A or 5V 2A	
120V~ 10.5A	120V~ 10.5A	120V~ 3.5A	120V~ 10.5A	120V~ 10.5A	120V~ 1A	120V~ 10.5A	120V~			