

Product overview

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)

P68B123



Use of ambient temperature -20°C~55°C

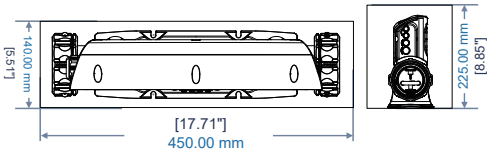
Clock display	Freeze protection	Heating timer	Water circulation timer
Matched panels:	Any version of PB562/PB562 Plus Any version of PB563/PB563 Plus Any version of PB565/PB565 Plus	Heating element:	2KW heating tube 3KW heating tube 4KW heating tube

Product dimensions

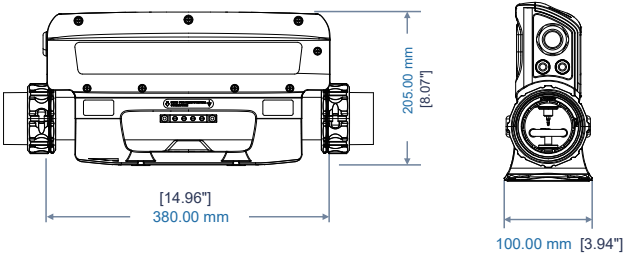
P68B123 Control System Dimensions and Installation Instruction



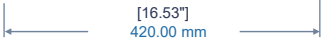
Designs of P68B123 control system



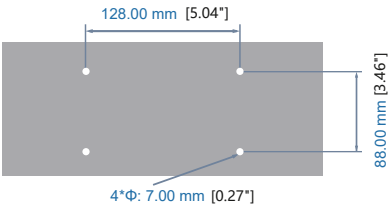
The distance between the product and obstacles should be above 20mm
Minimum space reserved W: 140.00mm
H: 225.00mm D: 450.00mm



Plumbing



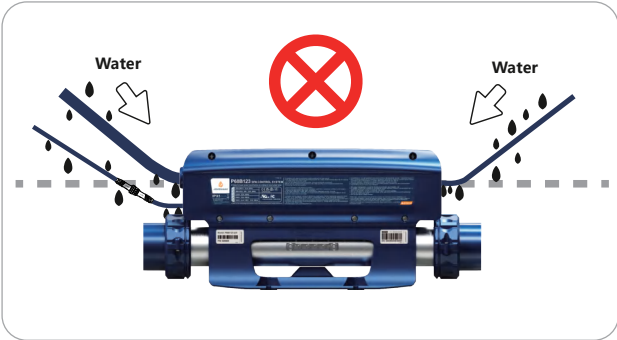
Plumbing



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 ² cable when the total load current is 32A	➡	220 - 240V~ 32A 50Hz J2 - J3 J4 - J5 J6 - J7	③ - L BROWN ② - N BLUE ① - G YE/GN
It is recommended to use 4 * 2.5mm ² or 4 * 4mm ² power cable when the total load current is 22A	➡	380 - 415V 3N~ 22A 50Hz J2 - J3 J1 - J7 J4 - J5	④ - L2 BLACK ③ - L1 BROWN ② - N BLUE ① - G YE/GN
It is recommended to use a 3 * 10AWG power cable when the total load current is 32A	➡	240V~ 32A 60Hz J2 - J3 J4 - J5 J6 - J7	③ - L1 BLACK ② - L2 RED ① - G GREEN
It is recommended to use a 4 * 10AWG power cable when the total load current is 32A	➡	240V~ and 120V~ 32A 60Hz J1 - J3 J4 - J5 J6 - J7	④ - N WHITE ③ - L1 BLACK ② - L2 RED ① - G GREEN
It is recommended to use a 4 * 10AWG power cable when the total load current is 32A	➡	240V~ and 120V~ 32A 60Hz J2 - J3 J1 - J5 J6 - J7	④ - L2 RED ③ - L1 BLACK ② - N WHITE ① - G GREEN
It is recommended to use a 3 * 10AWG power cable when the total load current is 32A	➡	120V~ 32A 60Hz J2 - J3 J4 - J5 J6 - J7	③ - L BLACK ② - N WHITE ① - G GREEN

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