

Product overview

Power input: 220-240V~ 48A 50Hz
380-415V 3N~ 28A 50Hz
120V~ 48A 60Hz
240V~ and 120V~ 48A 60Hz
240V~ 48A 60Hz

Output for two set of ON/OFF type or
RGB type SPA light (+5V/3A or +12/3A)

4 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)

P69B133



Use of ambient temperature -20°C~55°C

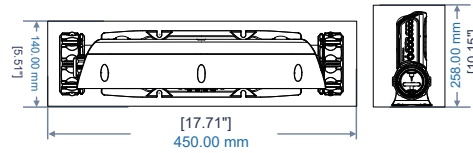
Clock display	Freeze protection	Heating timer	Water circulation timer
Matched panels:	Any version of PB562/PB562 Plus Any version of PB563/PB563 Plus Any version of PB565/PB565 Plus	Heating element:	2KW heating tube 3KW heating tube 4KW heating tube

Product dimensions

P69B133 Control System Dimensions and Installation Instruction

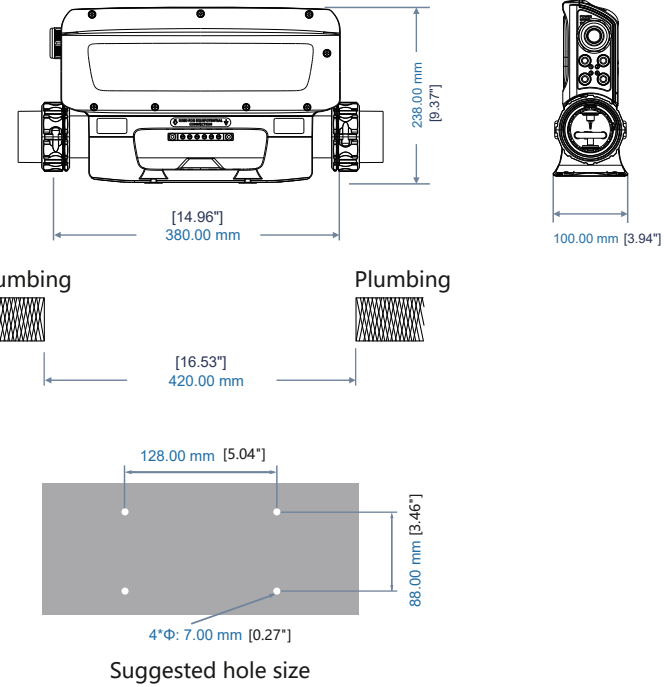


Designs of P69B133 control system



The distance between the product and obstacles should be above 20mm

Minimum space reserved W: 140.00mm
H: 258.00mm D: 450.00mm



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

P69B133 power cord connection

It is recommended to use 3 * 10mm² cable when the total load current is 48A

220 - 240V~ 48A 50Hz	③ - N BLUE ② - L BROWN ① - G YE/GN
J2 - J3 J4 - J5 J6 - J9 J7 - J11 J14 - J19	

It is recommended to use 5 * 4mm² cable when the total load current is 28A

380 - 415V 3N~ 28A 50Hz	⑤ - N2 BLUE ④ - L2 BROWN ③ - N1 BLUE ② - L1 BROWN ① - G YE/GN
J2 - J3 J4 - J5 J7 - J8 J6 - J18 J14 - J19	

It is recommended to use 5 * 4mm² cable when the total load current is 22A

380 - 415V 3N~ 22A 50Hz	⑤ - L3 GREY ④ - L2 BLACK ③ - N BLUE ② - L1 BROWN ① - G YE/GN
J2 - J3 J4 - J5 J6 - J7 J14 - J19	

It is recommended to use a 3 * 8AWG power cable when the total load current is 48A

240V~ 48A 60Hz	③ - L2 RED ② - L1 BLACK ① - G GREEN
J2 - J3 J4 - J5 J6 - J9 J7 - J11 J14 - J19	

It is recommended to use a 4 * 8AWG power cable when the total load current is 48A

240V~ and 120V~ 48A 60Hz	⑤ - N WHITE ④ - - - ③ - L2 RED ② - L1 BLACK ① - G GREEN
J3 - J6 J4 - J5 J6 - J9 J7 - J11 J14 - J19	

It is recommended to use a 3 * 8AWG power cable when the total load current is 48A

120V~ 48A 60Hz	③ - N WHITE ② - L BLACK ① - G GREEN
J2 - J3 J4 - J5 J6 - J9 J7 - J11 J14 - J19	

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 J2/J3/J4/J5/J6/J7/J8/J9/J11/J14/J18/J19 IN EACH POWER TYPE.

CONNECTOR POWER TYPE	POWER INPUT	PUMP1(1 SPEED)*4		PUMP1(2 SPEED)*4	PUMP2	PUMP3	PUMP4	BLOWER	OZONE	AUX	HEATER	LIGHT
		PUMP1(1 SPD)	CIRC PUMP (HEATER PUMP)	PUMP1 (HEATER PUMP)								
		TB1	CN1	CN6								
220 - 240V~ 48A 50Hz J2 - J3 J4 - J5 J6 - J9 J7 - J11 J14 - J19	3 - N BLUE 2 - L BROWN 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~ 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~ 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 $\overline{\text{m}}$ 3A or 5V $\overline{\text{m}}$ 3A 2A Max/CH
380 - 415V 3N~ 28A 50Hz J2 - J3 J4 - J5 J7 - J8 J6 - J18 J14 - J19	5 - N2 BLUE 4 - L2 BROWN 3 - N1 BLUE 2 - L1 BROWN 1 - G YE/GN	4-L2 / 3(N/A) 2-N / 1-G 220-240V~ 10.5A	4-L2 / 3(N/A) 2-N / 1-G 220-240V~ 3.5A	4-L2-HI / 3-L2-LO 2-N / 1-G 220-240V~ 10.5A	4-L2 / 3(N/A) 2-N / 1-G 220-240V~ 10.5A	4-L1 / 3(N/A) 2-N / 1-G 220-240V~ 10.5A	4-L2 / 3(N/A) 2-N / 1-G 220-240V~ 10.5A	4-L2 / 3(N/A) 2-N / 1-G 220-240V~ 10.5A	4-L2 / 3(N/A) 2-N / 1-G 220-240V~ 1A	2-L2 1-N 220-240V~ 10.5A	J15-L1 J16-N 220-240V~	12V $\overline{\text{m}}$ 3A or 5V $\overline{\text{m}}$ 3A 2A Max/CH
380 - 415V 3N~ 22A 50Hz J2 - J3 J4 - J5 J6 - J7 J14 - J19	5 - L3 GREY 4 - L2 BLACK 3 - N BLUE 2 - L1 BROWN 1 - G YE/GN	4-L3 / 3(N/A) 2-N / 1-G 220-240V~ 10.5A	4-L3 / 3(N/A) 2-N / 1-G 220-240V~ 3.5A	4-L3-HI / 3-L3-LO 2-N / 1-G 220-240V~ 10.5A	4-L2 / 3(N/A) 2-N / 1-G 220-240V~ 10.5A	4-L1 / 3(N/A) 2-N / 1-G 220-240V~ 10.5A	4-L2 / 3(N/A) 2-N / 1-G 220-240V~ 10.5A	4-L2 / 3(N/A) 2-N / 1-G 220-240V~ 10.5A	4-L3 / 3(N/A) 2-N / 1-G 220-240V~ 1A	2-L2 1-N 220-240V~ 10.5A	J15-L1 J16-N 220-240V~	12V $\overline{\text{m}}$ 3A or 5V $\overline{\text{m}}$ 3A 2A Max/CH
240V~48A 60Hz J2 - J3 J4 - J5 J6 - J9 J7 - J11 J14 - J19	3 - L2 RED 2 - L1 BLACK 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~ 10.5A	4-L1 / 3(N/A) 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 $\overline{\text{m}}$ 3A or 5V $\overline{\text{m}}$ 3A 2A Max/CH
240V~ and 120V~ 48A 60Hz J3 - J6 J4 - J5 J8 - J9 J7 - J11 J14 - J19	5 - N WHITE 4 - L2 RED 3 - L1 BLACK 2 - L1 BLACK 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-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~ 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 $\overline{\text{m}}$ 3A or 5V $\overline{\text{m}}$ 3A 2A Max/CH
120V~48A 60Hz J2 - J3 J4 - J5 J8 - J9 J7 - J11 J14 - J19	3 - N WHITE 2 - L BLACK 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~ 10.5A	4-L / 3(N/A) 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 $\overline{\text{m}}$ 3A or 5V $\overline{\text{m}}$ 3A 2A Max/CH