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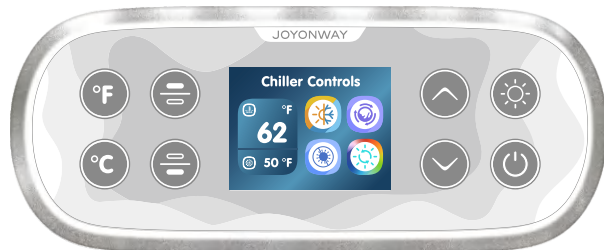
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PB562-000

Operation instruction

说明书

根据系统配置的不同，本说明书提及的内容可能不会全部在您的系统上出现。

V1.2 中文

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EMC:

These devices can be connected only to a supply with system impedance no more than 0.099 ohm for Single-phase input or 0.001 ohm for Multi-phase input. In case necessary, please consult your supply authority for system impedance information.

RSS-Gen & RSS-247 statement:

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RSS-102 Statement:

This equipment complies with Industry Canada radiation exposure limits set forth for an uncontrolled environment.
Cet équipement est conforme à l'exposition aux rayonnements Industry Canada limites établies pour un environnement non contrôlé.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution:

Changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

FCC Statement:

"This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help."

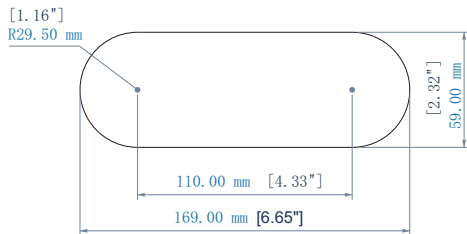
This controller is not intend for transportable pool use.

控制面板规格与安装指引

2.4英寸TFT彩色显示屏， 8个电容触摸按键

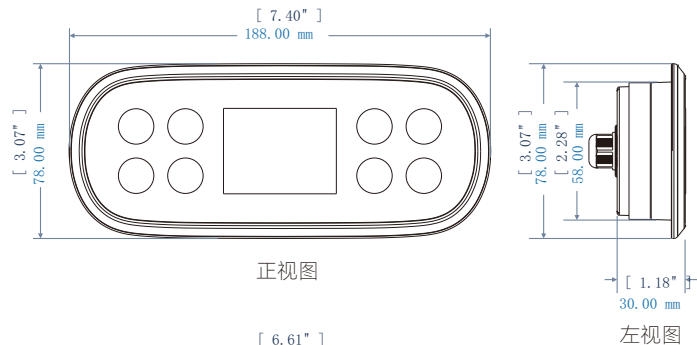


PB562-000控制面板效果图



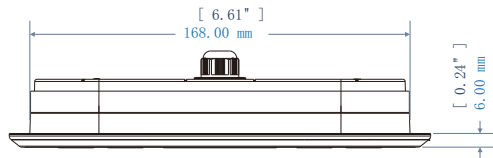
建议开孔尺寸

控制面板规格与安装指引

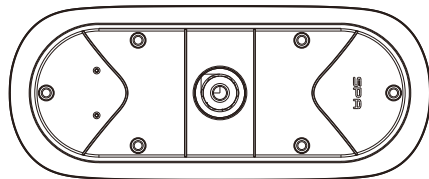


正视图

左视图



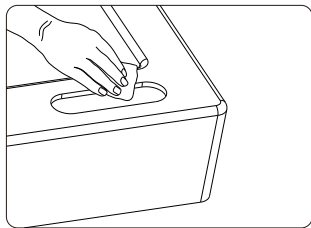
俯视图



背视图

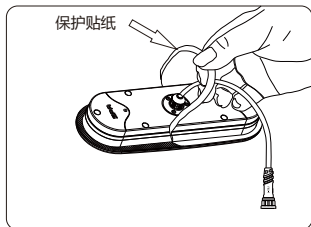
控制面板安装指引

1



在浴缸合适的位置按控制面板的尺寸开孔，并用工具清理干净开孔周围，特别是毛刺、碎屑等，以避免控制面板粘贴不牢固。

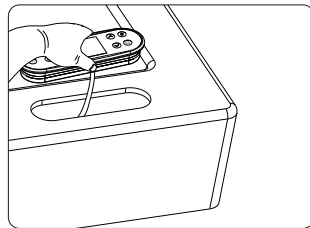
2



如图所示，把控制面板的胶面保护贴纸撕掉。

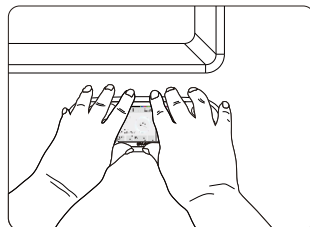
特别注意： 严禁用手触摸；严禁避免水或者其他杂质接触胶面；胶面保护撕掉后60秒内将控制面板安装到浴缸上。

3



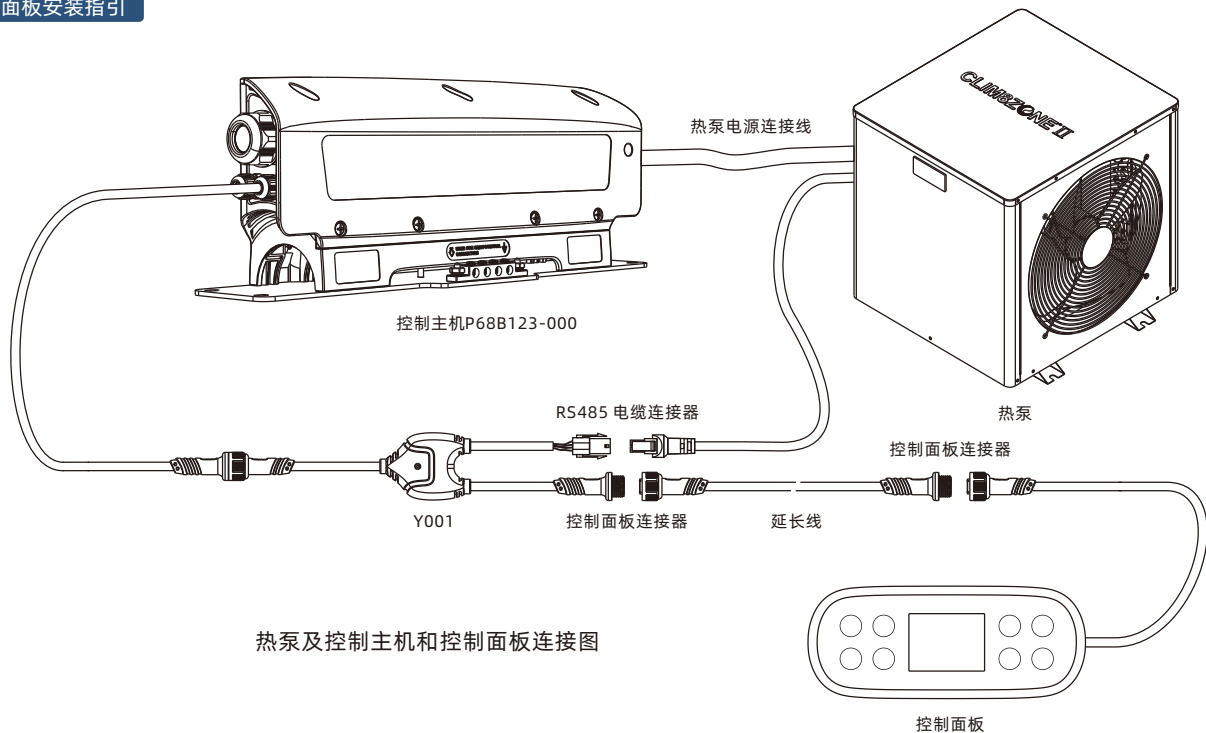
如图所示，把撕掉胶面保护贴纸的控制面板装在清理干净的开孔处。

4



如图所示，控制面板安装后，用手紧压控制面板60秒钟，并用手来回推压控制面板5~10次。

控制面板安装指引



警告

1. 请严格按照SPA接线图连接电源。
2. 在水位达到缸内水位标线之前请不要给SPA供电。
3. 控制面板上电后，需等待1分钟再按开关键开启系统。



温度单位: °F

用此键切换系统的显示温度单位为华氏度。



温度单位: °C

用此键切换系统的显示温度单位为摄氏度。



向上翻转屏幕

用于将屏幕显示方向向上翻转。



向下翻转屏幕

用于将屏幕显示方向向下翻转。



设定温度 +

用于增加设定温度。
最高设定温度104 °F (40°C)。



设定温度 -

用于减小设定温度。
最低设定温度40 °F (5°C)。



水底灯

用于切换水底灯开关。
水底灯开启1小时后将自动关闭。



开关键

用于切换系统开启和关闭。
控制面板上电后，需等待1分钟再按开关键开启系统。
系统关闭时，除开关键外所有按键不能操作，
系统关闭时，将关闭所有负载。
系统开启后，屏幕点亮，循环泵和消毒功能开启（一直运行或自动运行），所有按键可以操作，系统将自动运行，将水温控制到设定温度。

主界面



详情见以下



当前水温°F/°C。



预设温度°F/°C。



循环泵图标



热泵图标

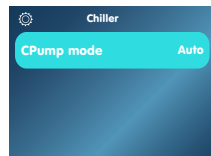


消毒图标



水底灯图标

设置循环泵模式(只允许安装人员使用):



上电后2分钟内, 在主界面显示时, 触摸“°C”按键5s进入设置菜单, 触摸“°F”按键可更改循环泵模式, 可将循环泵模式设置为Always On或Auto, 此时触摸“°C”键可回到主界面。循环泵模式掉电也会保持设置。



Always On模式



Auto模式

Always On模式: 开机后, 循环泵一直开启。

Auto模式: 开机后, 循环泵只在热泵启动后开启, 热泵关闭时, 循环泵延时2分钟关闭, 如果在1小时内循环泵没有运行过, 循环泵将自动运行1分钟。

面板警告信息

控制系统发生一些需要用户注意的状态时，控制面板会将状态的警告信息显示在控制面板上。

以下是这些信息显示时的显示屏状态，如图：



警告信息显示位置

当出现以下故障信息时，首先请尝试把系统断电，几分钟后再次上电来清除故障；如果故障再次出现，请按以下说明处理故障；故障处理过程中，确保断开系统的电源连接。

F10:Communication error

控制面板与主机不能通讯

原因：控制面板与主机不能交换信息。
措施：请关闭电源，检查控制面板与主机的线路连接是否良好，连接件是否结合紧密，确认后上电，如不能消除此故障，请联系服务商或生产商。

F11: No communication with heatpump

主机与热泵不能通讯

原因：主机与热泵不能交换信息。
措施：请关闭电源，检查主机与热泵的线路连接是否良好，连接件是否结合紧密，热泵的电源是否正确连接，确认无误后再上电，如不能消除此故障，请联系服务商或生产商。

面板警告信息

Heat Pump ER16: Outer coil pipe temp. Error

Outer coil pipe temp. Error

Cause:
The sensor plug is in poor contact or off, or the sensor is damaged
Action:
Check and replace the coil pipe temperature sensor(T3)

Heat Pump ER18: Exhaust gas temp. Error

Exhaust gas temp. Error

Cause:
The sensor plug is in poor contact or off, or the sensor is damaged
Action:
Check and replace the exhaust gas temperature sensor(T1)

Heat Pump ER19:

DC Fan Motor Failure

Cause:

Action:

Heat Pump ER20: Abnormal protection of frequency conversion module

Abnormal protection of frequency conversion module

Cause:
IPM module internal fault, check related problems according to the attached table
Action:

Heat Pump ER21: Ambient temp. Error

Ambient temp. Error

Cause:
The sensor plug is in poor contact or off, or the sensor is damaged
Action:
Check and replace the ambient temperature sensor(T4)

Heat Pump ER23:

Cooling outlet water temperature low protection

Cause:

Action:

Heat Pump ER27: Outlet temperature fault

Outlet temperature fault

Cause:
The sensor plug is in poor contact or off, or the sensor is damaged
Action:
Check and replace the water outlet temperature sensor(T6)

Heat Pump ER29: Return gas temp. Error

Return gas temp. Error

Cause:
The sensor plug is in poor contact or off, or the sensor is damaged

Action:
Check and replace the suction gas sensor(T5)

Heat Pump ER32: Heating outlet water high temperature protection

Heating outlet water high temperature protection

Cause:

Action:

Heat Pump ER33: Outer Door Coil High Temperature Protection

Outer Door Coil High Temperature Protection

Cause:

Action:

Heat Pump ER35: Compressor Current Protection

Compressor Current Protection

Cause:

Action:

Heat Pump ER42: Internal Coil Temperature Failure

Internal Coil Temperature Failure

Cause:

Action:

Heat Pump ER44: Ambient Temperature Too Low Protection

Ambient Temperature Too Low Protection

Cause:

Action:

Heat Pump ER46: DC Fan Error

DC Fan Error

Cause:
1.Dc fan failure
2.Plug is in poor contact or off

Action:
1. Replace the DC fan
2. Reconnect cables to the DC fan