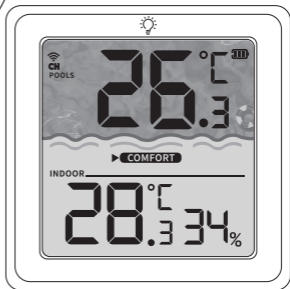
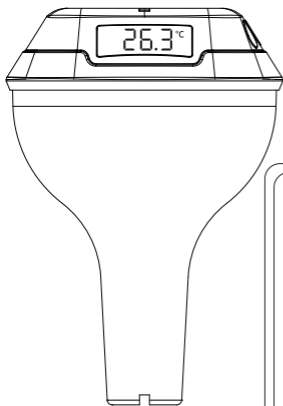
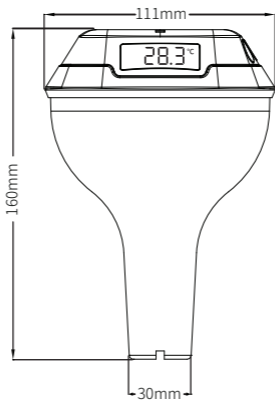
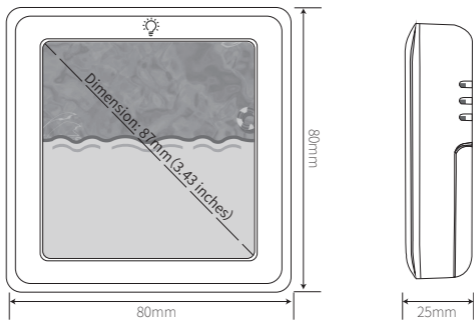


TS-PL04

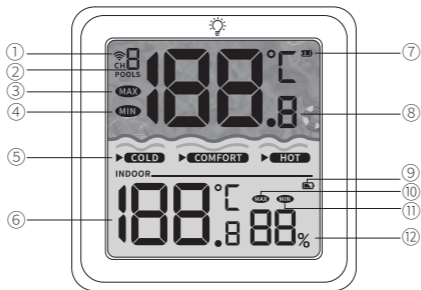
Pool Thermometer



1.Product Dimension:

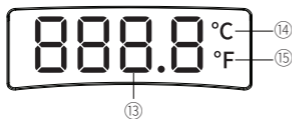


2.Interface Diagram:



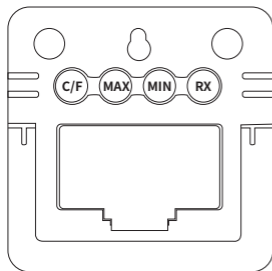
- | | |
|--|--|
| ① Signal Icon | ⑦ Transmitter Power Display |
| ② Channel Icon | ⑧ Transmitter Temperature Display |
| ③ Transmitter Temperature Maximum Record | ⑨ Receiver Low Battery Indication |
| ④ Transmitter Temperature Minimum Record | ⑩ Indoor Temperature And Humidity Maximum Record |
| ⑤ Comfort Display | ⑪ Indoor Temperature And Humidity Minimum Record |
| ⑥ Room Temperature Display | ⑫ Indoor Humidity Display |


3.Pool Thermometer Display Interface Diagram:





- ⑬ Temperature Display
- ⑭ Celsius
- ⑮ Fahrenheit


4.Receiver Button Display:



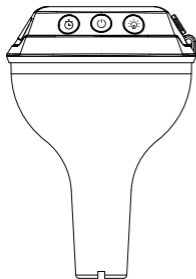
 Temperature Unit Switch (°C/°F)


 Maximum Button

 Minimize Button

 Receive Signal Button

5.Pool Thermometer Button Display:



 Light Timer Button

 Power On/Off/Temperature Unit Switch

 Light On/off/light Mode Switch

6.Power Supply:

Receiver power supply: USB to DC power cable/2*AAA batteries (batteries not included in the package).

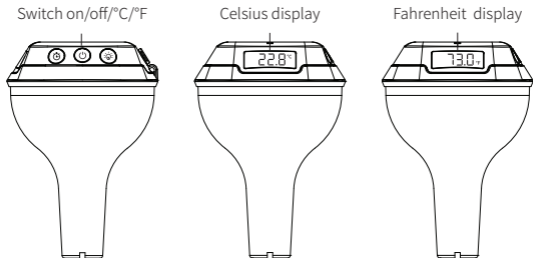
Pool thermometer power supply: solar power and built-in 2200mAh rechargeable lithium battery (charged USB to TYPE-C power cable).

7.Pool Thermometer:

Long press the “⏻” button to switch on/off, display temperature data.

Short press the “⏻” button to switch between °C/°F.

After turn on, long press the “⏻” button again to turn off the device.



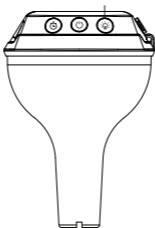
8.Pool Thermometer Ambient Light:

Short press the “💡” button to turn on the ambient light. The sequence of color changes is as follows: RGB full color change → RGB change from right to left → Blue → Cyan → Green → Yellow → Red → Purple → White.

long press the “💡” button to turn off the ambient light.

Note: When any light color is active, long pressing the “💡” button will turn off the ambient light. The next time the light is turned on, it will default to the color that was active when the light was last turned off.

Ambient Light On/Off / Light Color Switch



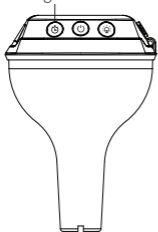
9.Pool Thermometer Ambient Light Timer Function:

Short press the "⏻" button to activate the ambient light timer function. The default countdown time is 120 minutes.

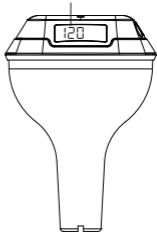
Press the "⏻" button repeatedly to select the desired countdown duration: 120 → 180 → 240 → 360 → --- (constant on) → 60.

After selecting the time, wait for 5 seconds until the display blinks twice to confirm the setting. If you wish to set a different duration, repeat the steps above.

Ambient light timer off function



Ambient light off countdown



After selecting the ambient light timer duration, the light will automatically turn off according to the set countdown time, and will automatically turn on after 24 hours.

Note: When the battery is low, the ambient light will not turn on. Please recharge the device. Once the battery is restored to normal levels, the ambient light will resume normal operation. If the battery is completely drained, please recharge it. After the battery is restored, the timer function will need to be reset.

10. Pool Thermometer Child Lock Function:

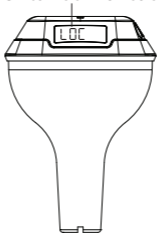
Long press the "🔒" button to activate the child lock function. The screen will display "LOC" and blink twice to indicate that the child lock is enabled. In child lock mode, pressing any button will be ineffective, and the screen will display "LOC".

To disable the child lock, long press the "🔒" button again. The current screen content will blink once to indicate that the child lock has been turned off, and normal operation can resume.

Note: Enabling the child lock function will not affect the ambient light timer function; it will continue to work as set.

Tip: It is recommended to enable the child lock function before placing the thermometer in the pool to prevent accidental touches while in the pool.

Child Lock Function

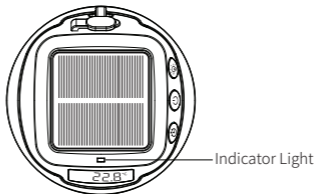


11. Pool Thermometer Indicator Light Status:

In off mode, the indicator light will blink once every 10 seconds to indicate the product's location. The indicator will turn off when the battery is low.

In on mode, the indicator light will blink twice only when transmitting a signal.

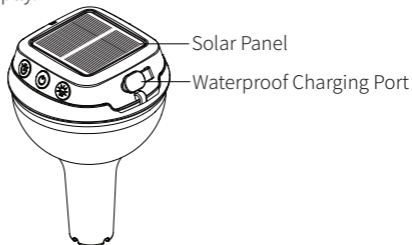
In charging mode, the indicator light will function as a breathing light (no indication when charging via solar power).



12. Pool Thermometer Charging Method:

When there is sufficient sunlight, the solar panel can continuously charge the product to meet daily usage needs. If sunlight is insufficient, please use the USB to TYPE-C power cable to charge the product.



Note: If you need to use the ambient light for extended periods, the solar panel's charging may not be sufficient to support long-term use. In this case, please use the power cable to charge the product. When the receiver displays a low battery warning for the pool thermometer, please charge the product promptly.



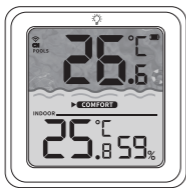
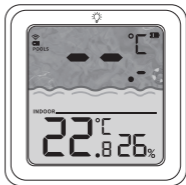
13.Receiver Power on and Button Functions:

When the receiver is powered on, the screen will display all icons for 3 seconds and emit a "BI" sound, then switch to the normal display and enter the signal receiving mode. At this point, the signal icon will start blinking. Once the receiver gets a signal from the pool thermometer, it will immediately display the current data, and the signal icon will remain solid. If no signal is received within 6 minutes, the receiver will automatically exit the receiving mode. To re-enter RF receiving mode, press and hold the "RX" button.

Receiver Default Settings:

“” Icon: Blinking transmitter area
temperature display : 
The receiver area temperature and humidity displays.



for example: 



Power on
(display status after receiving signal)

note:

Picture parameters are for example only, Subject to actual testing!

Remarks: When the battery is powered, the signal is lost, “” is not displayed, you need to long press the “” button to re-receive the signal, when using power cable for power supply, the signal is lost, and the signal receiving function is automatically turned on.

14. Temperature Measurement Range:

Receiver Temperature Display Range: -3.8°F to 140°F (-19.9°C to 60°C).

When the temperature is below -3.8°F (-19.9°C), "LL.L" will be displayed.

When the temperature is above 140°F (60°C), "HH.H" will be displayed.

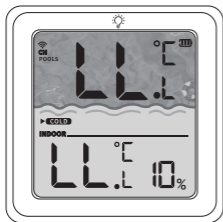
Receiver Humidity Display Range: 10%~90%.

Display 10% if lower than 10%; Display 90% if higher than 90%.

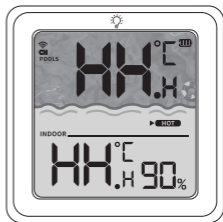
Pool Thermometer Temperature Display Range: -3.8°F to 158°F (-19.9°C to 70°C).

When the temperature is below -3.8°F (-19.9°C), "LL.L" will be displayed.

When the temperature is above 158°F (70°C), "HH.H" will be displayed.



Receiver Display -
Lower than Temperature Range



Receiver Display -
Higher than Temperature Range



Pool Thermometer Display -
Lower than Temperature Range

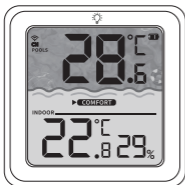


Pool Thermometer Display -
Higher than Temperature Range

15. View Maximum and Minimum Values:

In normal display mode, short press “MAX” button (Max. temperature from the pool and indoor) and short press “MIN” button (Min. temperature from the pool and indoor) . The values recorded 24 hours from power on.

Note: The recorded values are automatically cleared at 00:00 each day and the recording starts again from that point.



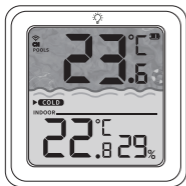
Maximum
Value Display



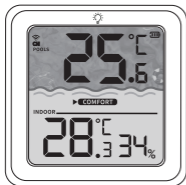
Minimum
Value Display

16.Pool Comfort Display:

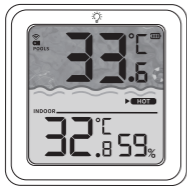
When the receiver receives temperature data transmitted by the pool thermometer:



If the temperature is below 77°F (25°C), the "COLD" indicator will be displayed, indicating the temperature is too cold.



If the temperature is between 77°F to 84.2°F (25°C to 29°C), the "COMFORT" indicator will be displayed, indicating the temperature is comfortable.



If the temperature is above 84.2°F (29°C), the "HOT" indicator will be displayed, indicating the temperature is too hot.

17.Receiver Backlighting:

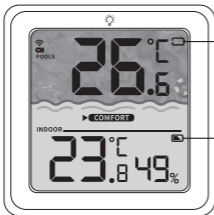
Press any button to turn on the backlight for 10 seconds.

When the power is on, the backlight is always on by default, long press the “☀️” button to turn off the backlight, then long press the “☀️” button to turn on.

18.Low Battery Alert:

Receiver: When the receiver detects a low battery, the low battery icon "🔋" will appear and flash, indicating that the battery needs to be replaced promptly.

Pool Thermometer: The pool thermometer battery icon will always be displayed in the pool thermometer data area on the receiver's screen. A fully charged battery is shown with three bars "🔋", and a low battery is shown as an empty space "🔋". When the battery is low, the icon will blink and a sound alert will be heard (press any button to turn off the sound alert). The pool thermometer needs to be recharged promptly.



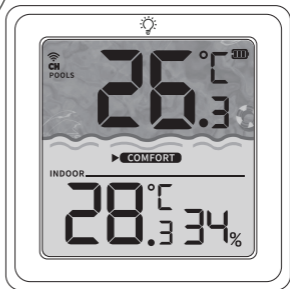
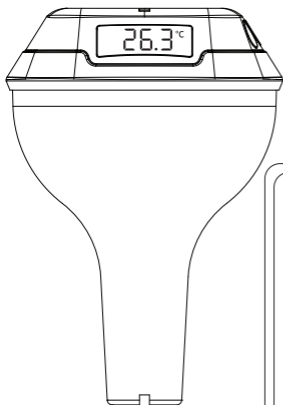
Pool Thermometer
Low Battery Alert

Receiver Low Battery Alert

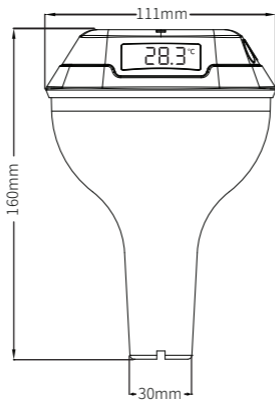
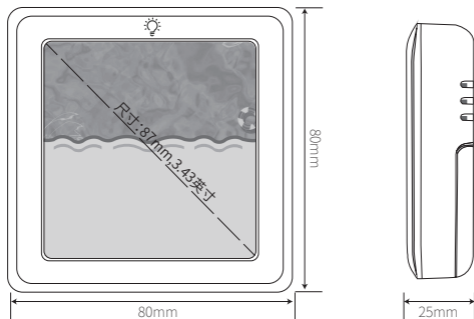
FC RoHS CE 
MADE IN CHINA

TS-PL04

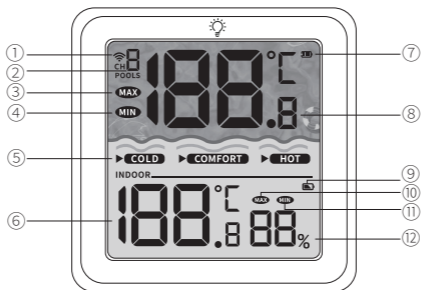
泳池温度计



1.产品尺寸:

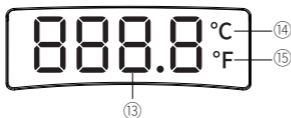


2.界面指示图：



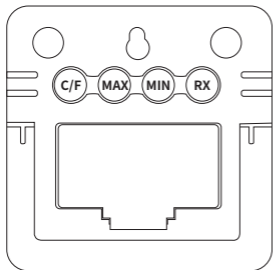
- | | |
|-------------|-------------|
| ①信号图标 | ⑦发射机电量显示 |
| ②通道图标 | ⑧发射机温度显示 |
| ③发射机温度最大值记录 | ⑨接收机低电量提示 |
| ④发射机温度最小值记录 | ⑩室内温湿度最大值记录 |
| ⑤舒适度显示 | ⑪室内温湿度最小值记录 |
| ⑥室内温度显示 | ⑫室内湿度显示 |


3.泳池温度计界面指示图：



- ⑬温度显示
- ⑭摄氏度
- ⑮华氏度


4.接收机按键展示:



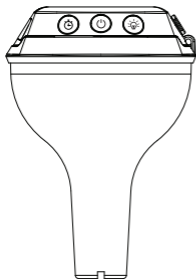
 C/F 温度单位切换键


 MAX 最大值键

 MIN 最小值键

 RX 接收信号键

5.泳池温度计按键展示:



 灯光定时关闭功能键

 开关机/温度单位切换键




 开关灯/灯光切换键

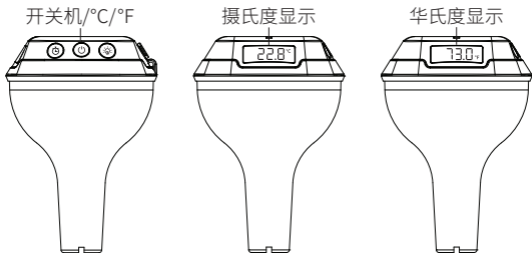
6.供电方式:

接收机供电方式:USB转DC电源线/2*AAA电池(发货不含电池)。



泳池温度计供电方式:太阳能和内置2200mAh充电锂电池(使用USB转TYPE-C电源线进行充电)。


7. 泳池温度计:

长按“”键开关机, 显示温度数据, 短按“”键切换°C/°F, 开机后再长按“”键关机。

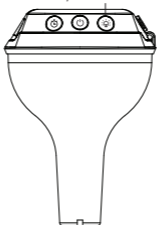


8. 泳池温度计氛围灯:

短按“”键, 开启氛围灯, 依次切换顺序为: RGB整体变→RGB从右往左变化→蓝→青→绿→黄→红→紫→白, 长按“”键关闭。

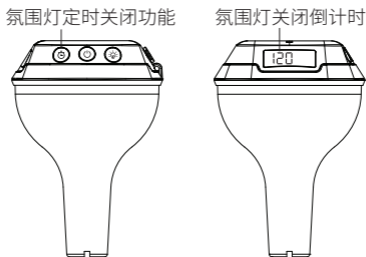
备注:在任意灯光颜色开启状态下, 长按“”键, 关闭氛围灯时, 下次开启, 默认显示上次关闭时灯光颜色。

氛围灯开关/灯光颜色切换



9. 泳池温度计氛围灯定时关闭功能：

短按“⏸”键开启氛围灯定时关闭功能，默认倒计时时长120分钟，再依次短按“⏸”键可选择倒计时长：120→180→240→360→---（常亮）→60，选择对应时长后等待5秒数字闪烁2次即设置成功，如需其它时长可按上述步骤重新设置。



选择氛围灯倒计时时间后，按照设置倒计时长自动关闭，24小时后自动开启。

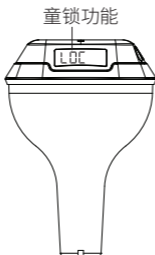
备注：当电池电量过低时，氛围灯将无法开启，请及时充电。电量恢复正常后，氛围灯将恢复正常工作。如果电池电量耗尽，请及时充电，电量恢复正常后需重新设置定时关闭功能。

10. 泳池温度计童锁功能：

长按“⏸”键开启童锁功能，屏幕显示LOC并闪烁2次，表示开启童锁功能，童锁状态下，按任意键无效，屏幕显示LOC，如需关闭童锁功能，长按“⏸”键关闭童锁功能，屏幕当前显示内容闪烁1次，表示关闭童锁功能，即可正常操作。

备注:设置了氛围灯定时关闭功能后再开启童锁功能,氛围灯定时关闭功能无影响,正常工作。

温馨提示:建议放入泳池前开启童锁功能,避免在泳池中误触。

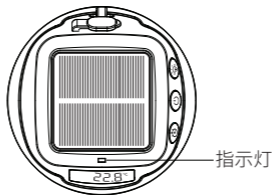


11. 泳池温度计指示灯状态:

关机状态下,指示灯10秒闪烁一次,用于提示产品位置,低电量时会关闭提示。

开机状态下,指示灯只会在发射信号时闪烁两次。

充电状态下,指示灯会变成呼吸灯提示(太阳能充电时不提示)。






12. 泳池温度计充电方式:

在日照时长充足时,太阳能板可持续给产品充电,满足日常使用需求,当日照时长不足时,请使用USB转TYPE-C电源线给产品充电。


备注:如需长时间使用氛围灯,太阳能板的充电可能不足以支持长时间使用,请使用电源线充电。当接收器显示泳池温度计电量不足时,请及时为产品充电。



13. 接收机开机及按键功能:

接收机通电后,屏幕全显3秒并发出“BI”声,随后进入常规显示,同时进入信号接收状态。此时“”图标开始闪烁,一旦接收到泳池温度计发出的信号,即刻显示当前数据,图标“”保持常亮(若6分钟内未接收到信号,将自动退出接收状态,需长按“”键重新进入RF接收状态)

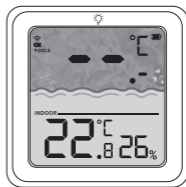
接收机开机默认值:

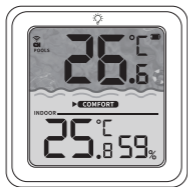
“”图标: 闪烁

发射机温度显示区域: 

接收机显示当前所处区域温湿度:

例如: 





开机(收信号后显示状态)

备注:

图片参数仅供举例参考,以实际测试为准!

备注:电池供电时,信号丢失,“Wi-Fi”不显示,需长按“(RX)”键重新接收信号,电源线供电时,信号丢失,自动开启信号接收功能。

14.温度测量范围:

接收机温度检测范围:-19.9°C~60°C (-3.8°F~140°F),

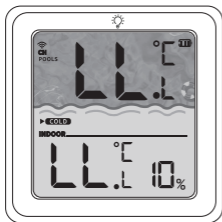
低于-19.9°C(-3.8°F)时显示LL.L,高于60°C(140°F)时显示HH.H。

接收机湿度检测范围:10%-90%,

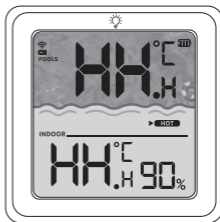
低于10%显示10%,高于90%显示90%。

泳池温度计温度检测范围:-19.9°C~70°C(-3.8°F~158°F),

低于-19.9°C(-3.8°F)时显示LL.L,高于70°C(158°F)时显示HH.H。



接收机超低温范围显示



接收机超高温范围显示



泳池温度计超低温范围显示

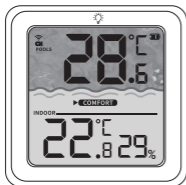


泳池温度计超高温范围显示

15. 查看最大/最小值:

在常规显示模式下,短按“MAX”键查看泳池温度和室内温湿度最大值,短按“MIN”键查看泳池温度和室内温湿度最小值,显示记录为通电起24小时内数值。

备注:查看过程中,长按“MAX”键或“MIN”键3秒清除记录,并重新开始记录24小时。



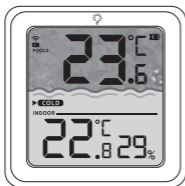
查看最大数值显示



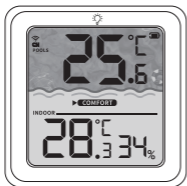
查看最小数值显示

16. 泳池舒适度显示:

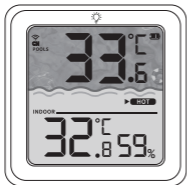
接收机在接收到泳池温度计发射的温度数据时:



温度低于25°C时,
“COLD”字符显示,
表示水温偏冷;





温度在25°C ~ 29°C时，
“COMFORT”字符显示，
表示水温适宜；




温度高于29°C时，
“HOT”字符显示，
表示水温偏高。



17.接收机背光:

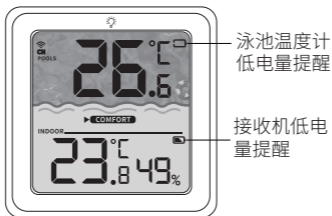
电池供电时，按任意键，开启背光10秒。

电源线供电时，背光默认常亮状态，长按“”键关闭背光，再长按“”键开启。

18.低电量提醒:

接收机:当检测到接收机电量过低时，低电量图标“”显示，需及时更换电池。

泳池温度计:接收机屏幕的泳池温度计数据区域一直显示泳池温度计电量图标，满电状态为三格“”，低电量状态为空格“”，低电量时，图标会闪烁并伴有声音提醒(按任意键关闭声音提醒)，需及时对泳池温度计充电。



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