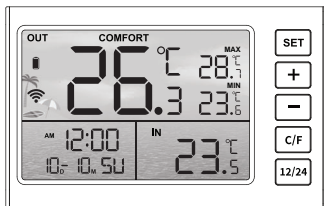
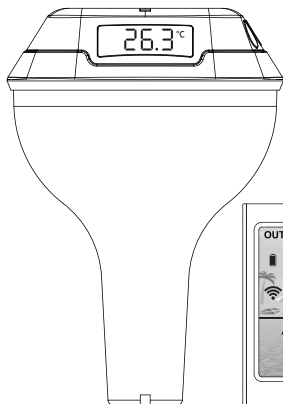


TS-PL01

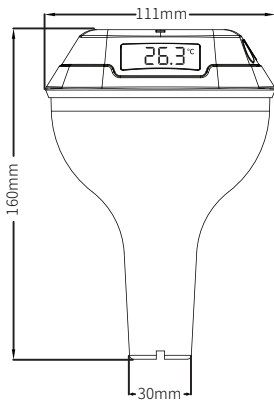
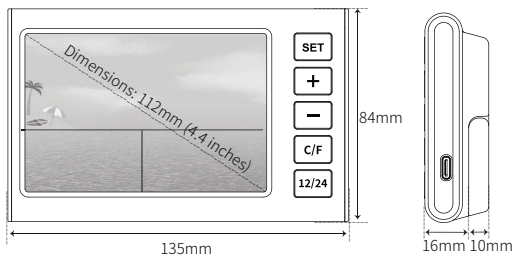
Pool Thermometer



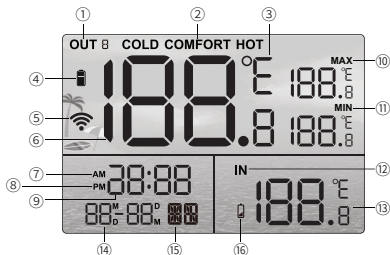
MAX
MIN



1. Product Dimensions:

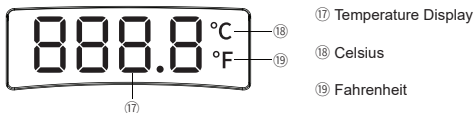


2. Interface Diagram:

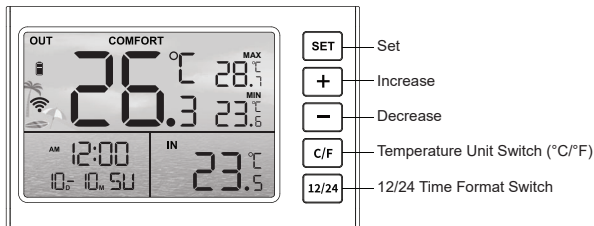


- | | |
|--------------------------------------|--------------------------------------|
| ① Pool Temperature Data Display | ⑨ Time |
| ② Comfort Level | ⑩ Maximum Value of Pool Temperature |
| ③ Temperature Unit | ⑪ Minimum Value of Pool Temperature |
| ④ Pool Thermometer Battery Indicator | ⑫ Indoor Temperature Data Display |
| ⑤ Pool Thermometer Signal Icon | ⑬ Indoor Temperature |
| ⑥ Pool Temperature | ⑭ Date |
| ⑦ AM | ⑮ Day of the Week |
| ⑧ PM | ⑯ Receiver Low Battery Reminder Icon |

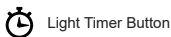
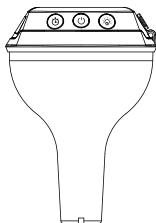
3. Pool Thermometer Display Interface Diagram:



4. Receiver Button Display:



5. Pool Thermometer Button Display:



6. Power Supply:

Receiver Power Supply: USB to TYPE-C power cable / 3 * AAA batteries (batteries not included in the package).

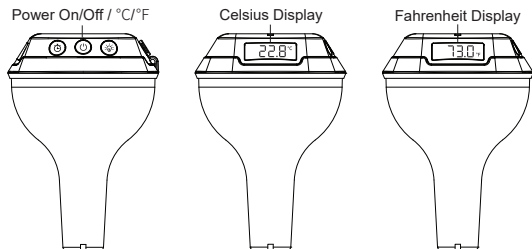
Pool Thermometer Power Supply: Solar power and built-in 2200mAh rechargeable lithium battery (charged via USB to TYPE-C power cable).

7. Pool Thermometer:

Long press the "☰" button to turn the device on/off and display the temperature data. (Note: Signal is transmitted every 57 seconds).

Short press the "☰" button to switch between °C/°F.

After turning on, long press the "☰" button again to turn off the device.

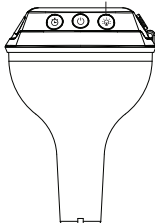


8. Pool Thermometer Ambient Light

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



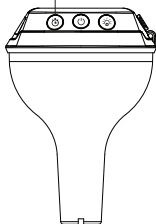
9. Pool Thermometer Ambient Light Timer Function:

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

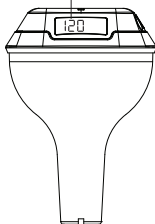
Press the "  " button repeatedly to select the desired countdown duration: 120 → 180 → 240 → 360 → --- (constant on) → 60.

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 Function



Ambient Light Countdown Off



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.

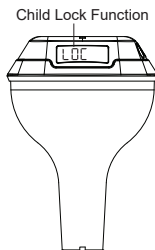
10. Pool Thermometer Child Lock Function:

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.

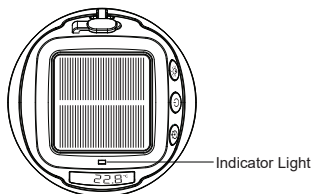


11. Pool Thermometer Indicator Light Status:

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.

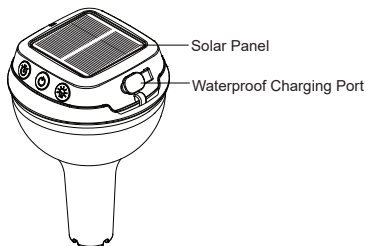
In charging mode, the indicator light will function as a breathing light (no indication when charging via solar power).



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 Default Settings:

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 "12/24" button.

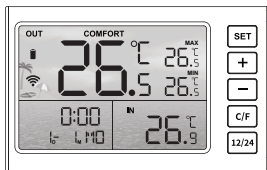
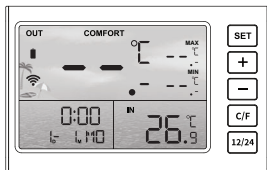
Receiver Default Settings:

Time default: 00:00

Calendar default: 1D - 1M

Day of the week default:

Monday (MO)



Power on (status displayed after receiving the signal)

Note: When powered by TYPE-C, the receiver is in continuous receiving mode. The "📶" icon will blink during signal reception, and will stay solid once the signal is successfully received.

After three instances of data loss, the signal icon "📶" will disappear. If no signal is received after six attempts, the pool thermometer data area on the receiver's screen will remain blank.

14. Time Settings

In normal display mode, long press the **"SET"** button for 3 seconds to enter time setting mode. The corresponding setting item will blink. The setting sequence is as follows: Year → (Day/Month) / (Month/Day) → Month → Day → Weekday language → Hour → Minute → Exit.

During the setting process, press the "+" or "-" button to increase or decrease the value. Long press the "+" or "-" button for fast adjustment.



Year



(Date/Month) / (Month/Date)



Month



Date



Weekday Language



Hour



Minute

Note: Seven-Country Weekday Language Reference Table:

	English	German	French	Italian	Dutch	Spanish	Danish
Language	EN	GE	FR	IT	DU	SP	DA
Monday	MO	MO	LU	LU	MA	LU	MA
Tuesday	TU	DI	MA	MA	DI	MA	TI
Wednesday	WE	MI	ME	ME	WO	MI	ON
Thursday	TH	DO	JE	GI	DO	JU	TO
Friday	FR	FR	VE	VE	VR	VI	FR
Saturday	SA	SA	SA	SA	ZA	SA	LO
Sunday	SU	SO	DI	DO	ZO	DO	SO

15. 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.

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

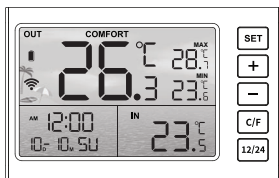


Pool Thermometer Display -
Higher than Temperature Range

16. View Maximum and Minimum Values:

In normal display mode, MAX (maximum value from the pool thermometer) and MIN (minimum value from the pool thermometer) will display the temperature values recorded from 00:00 (midnight) to the current time.

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



MAX
28.7
°C

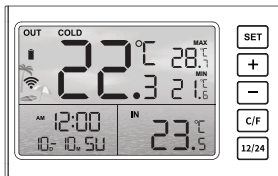
Pool Thermometer Today's
Maximum Temperature

MIN
23.6
°C

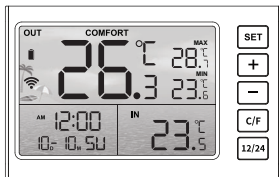
Pool Thermometer Today's
Minimum Temperature

17. Pool Comfort Display:

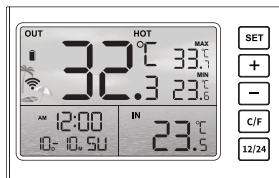
When the receiver receives temperature data transmitted by the pool thermometer:



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.

18. Receiver Backlight Switch:

Press any button to turn on the backlight for 10 seconds. When powered by TYPE-C, the backlight will stay on continuously.

19. Receiver Button Sound Switch:

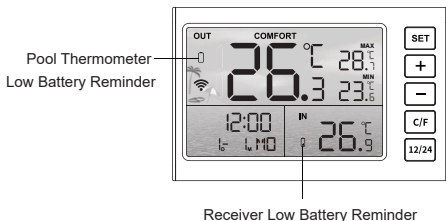
In the powered-on state, pressing any function button on the receiver will produce a "DI" sound. To turn off the button sound, long press the "C/F" button until you hear a long "DI" sound. To turn the sound back on, long press the "C/F" button again until you hear two "DI" sounds.

Note: When a button has no function, pressing it will not produce the "DI" sound.

20. Low Battery Reminder:

Receiver: When the receiver detects a low battery, the low battery icon "🔋" will appear and flash, indicating that the batteries need 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.



FCC Warning:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.