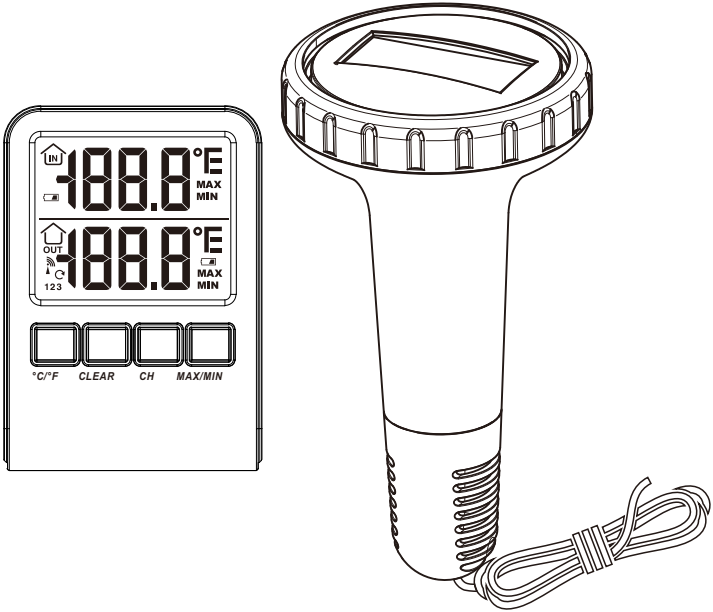


WIRELESS DIGITAL POOL THERMOMETER

Instruction manual

Model:HPT-212

after-sales email:support@heyaxa.com



1. Description of parts

Fig. 1: Receiver

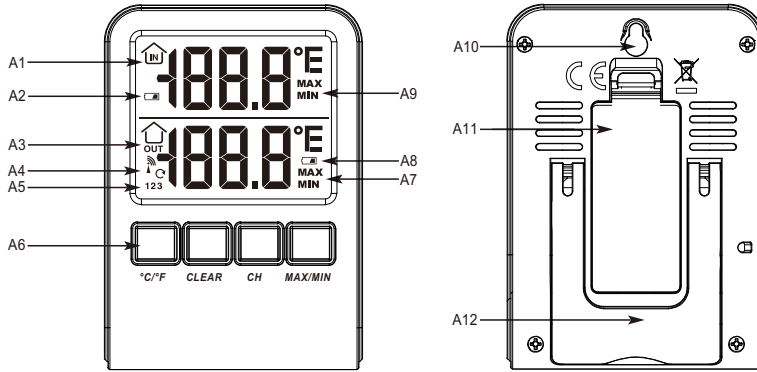


Fig. 2: Transmitter

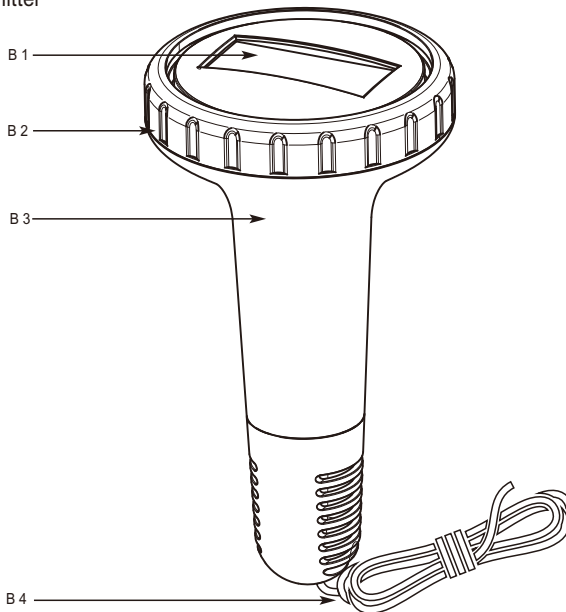


Fig. 1

- | | |
|-----------------------------|---------------------------------------|
| A1: Indoor temperature | A7: Pool maximum and minimum symbol |
| A2: Indoor low power symbol | A8: Pool low power symbol |
| A3: Pool temperature | A9: Indoor maximum and minimum symbol |
| A4: RF symbol | A10: Wall mounting hole |
| A5: Channel number | A11: Battery cover |
| A6: Buttons | A12: Support |

Fig. 2

- | | |
|-----------------|----------|
| B1: LCD screen | B3: Body |
| B2: Screw cover | B4: Rope |

2. Before you start using it

- Please make sure to read the instruction manual carefully.
This information will help you to familiarise yourself with your new device, to learn all of its functions and parts, to find out important details about its first use and how to operate it and to get advice in the event of a malfunction.
- Following and respecting the instructions in your manual will prevent damage to your instrument and loss of your statutory rights arising from defects due to incorrect use.
- We shall not be liable for any damage occurring as a result of non following of these instructions. Likewise, we take no responsibility for any incorrect readings and for any consequences which may result from them.
- Please take particular note of the safety advice!
- Please keep this instruction manual for future reference.

3. Scope of delivery

- Wireless thermometer (Receiver)
- Pool transmitter (CH1) after-sales email: support@heyaxa.com
- Instruction manual

4. Specifications

- Measuring range indoor: Temperature $-10^{\circ}\text{C}\sim+60^{\circ}\text{C}$ ($14^{\circ}\text{F}\sim140^{\circ}\text{F}$).
- Measuring range of pool: Temperature $-20^{\circ}\text{C}\sim+60^{\circ}\text{C}$ ($-4^{\circ}\text{F}\sim140^{\circ}\text{F}$).
- Accuracy: Temperature $\pm 1^{\circ}\text{C}$ (2°F) between 0°C to 50°C , otherwise $\pm 2^{\circ}\text{C}$ (4°F).
- Power Consumption: Receiver 2 X 1,5V AAA(not include), Pool transmitter 2 X 1,5V AAA(not include).
- Transmission distance: 60m in free field. High-power signal towers, walls will have interference
- Transmission frequency: 433MHZ.
- Transmission time: CH1: 50s.
- Low battery index.
- Maximum and minimum temperature display.
- Pool transmitter IP level: 7.

5. For your safety

- This product is exclusively intended for the field of application described above. It should only be used as described within these instructions.
- Unauthorized repairs, modifications or changes to the product are prohibited.




Caution!
Risk of injury:

- Keep these instruments and the batteries out of the reach of children.
- Batteries must not be thrown into a fire, short-circuited, taken apart or recharged. Risk of explosion!
- Batteries contain harmful acids. Low batteries should be changed as soon as possible to prevent damage caused by leaking.
- Never use a combination of old and new batteries together, nor batteries of different types.
- Wear chemical-resistant protective gloves and safety glasses when handling leaking batteries.

6. Getting started

6.1 Inserting the batteries in the receiver

- Place both instruments on a desk with a distance of approximately 1.5 meter. Avoid getting close to possible interference sources (Electronic devices and radio installations).
- Remove the protective foil from the display of the receiver.
- Remove the battery cover and insert two new alkaline batteries 1,5V AAA, polarity as illustrated, Close the battery compartment again.
- LCD segments will be displayed for a short moment.
- Display indoor temperature.
- The symbol  blinking and to search the signal from transmitter.

6.2 Inserting the batteries in the pool transmitter

- Open the screw cover of pool transmitter as fig3.
- Insert two new alkaline batteries 1,5V AAA,polarity as illustrated (fig.4).

Fig.3 open the transmitter

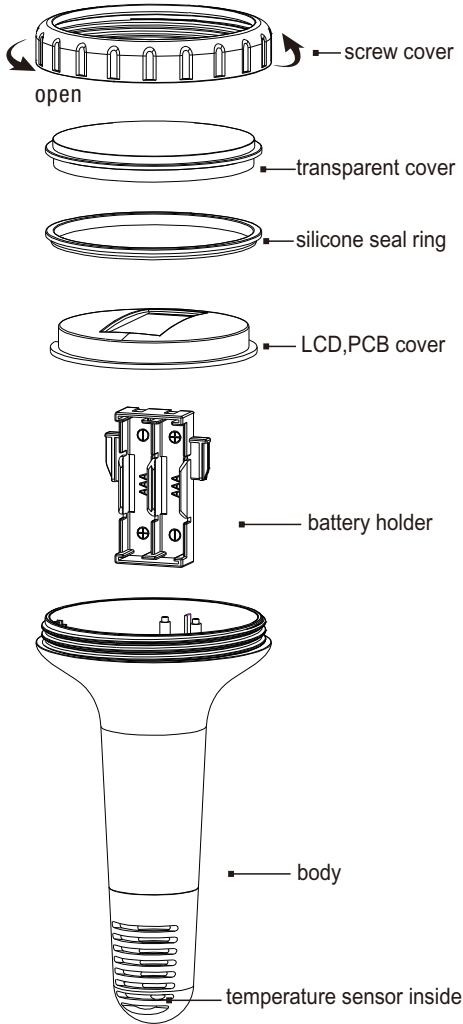


Fig.4 insert the batteries

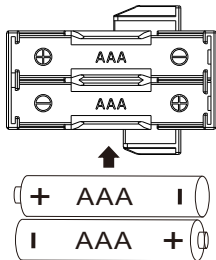
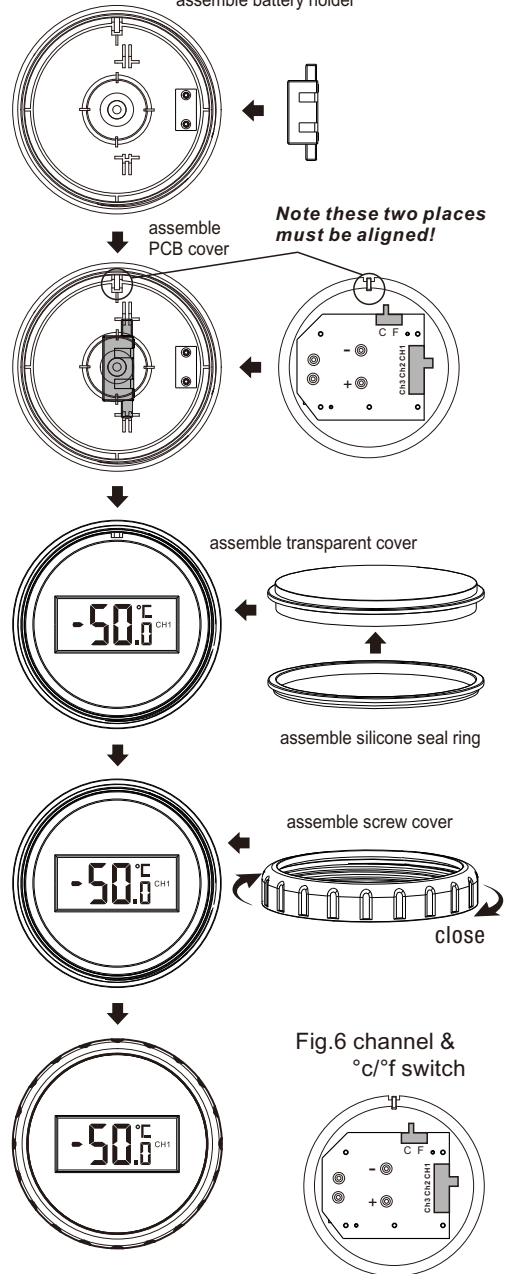






Fig.5 assemble the transmitter
assemble battery holder



- Assemble the transmitter as fig5.

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6.3 Reception of the pool transmitter values

- After the receiver inserted batteries,the symbol  is flashing to search pool transmitter signal for 3 minutes till it receive the signal then the symbol  will be stopped flashing,the default channel is CH1.
- In this 3 minutes insert the batteries to pool transmitter and assemble it,then the pool transmitter will transmit signal to receiver,and the red led flashing,the receiver receive the signal and display the value on the display.
- If the reception of the pool values fails within 3 minutes, "- -"appears on the display and the symbol  is not displayed. Check the batteries of the transmitter and try it again. Check if there is any source of interference.
- You can also start the pool transmitter search manually later on (for example when the pool transmitter is lost or the batteries are changed).
- Hold the CH button on the receiver for three seconds,"---"appears on the display,and the symbol  is flashing.
- Insert new batteries into pool transmitter and assamble it,then it will transmit a signal to receiver.
- The receiver will the values from the pool transmitter.

NOTE:

- **After the pool transmitter change the batteries,it must hold CH button on the receiver 3 seconds in the corresponding channel (for example if pool transmitter is CH1,then hold CH button in 1 channel on receiver).it is for re-registration the pool transmitter to receiver.**
- **If long time the receiver can not display the transmitter values,you can hold CH button for 3 seconds in corresponding channel to search the transmitter.**
- **After you assemble the pool transmitter the value of display sometimes is -50.0C or error ,and also the receiver display the transmitter value error,it is not fault of the transmitter and receiver,it will display correct value in few minutes.the reason is when you assemble the PCB cover the sensor maybe not contact the pcb good so the value is not correct,but after assemble the screw cover ,the sensor contact pcb good then the value will be correct.**

7. Thermometer

- If the measure values above the range,then temperature display "HH.H". If the measure values below the range,then temperature display "LL.L".


7.1 Maximum/Minimum function

- Press the MAX/MIN button in normal mode,MAX appears on the display.
- You can now get the highest values for the indoor and outdoor temperature since the last reset.
- Press the MAX/MIN button again,MIN appears on the display.
- You can now get the lowest values for the indoor and outdoor temperature since the last reset.
- Press the MAX/MIN button once more, to go back to the present values display.
- The device will automatically quit the MAX/MIN mode if no button is pressed.
- Press CLEAR button while the maximum or minimum values are displayed to clear the recorded readings.

7.2 Setting of the temperature unit

- In the normal mode you can change between °C (Celsius) or °F (Fahrenheit) as temperature unit.
- Press the +°C/°F button.

8. Additional pool transmitters

- For having more than one additional outdoor transmitter select with the CH1/2/3 switch on the PCB (see fig6).for each single outdoor transmitter a different channel. The reception of the new transmitter will be transmitted automatically to the receiver. Press and hold the CH button on the receiver or restart the receiver according to the manual.
- The outdoor values will be shown on the display of the receiver. If you have installed more than one outdoor transmitter, press the CH button on the receiver to change between the channels 1 to 3.
- You can also choose an alternating channel display. After the third channel, press the CH button again, The cycle display symbol  will be displayed.
- Press the CH button again to deactivate the alternating channel and the first outdoor transmitter will be shown permanently.

9. Positioning and fixing of receiver and the outdoor transmitter

- With the foldable leg at the back of the receiver, the receiver can be placed onto any flat surface or wall mounted at the respective location by the hanging holes at the back of the unit. Avoid the vicinity of any interfering field like computer monitors or TV sets and solid metal objects.
- Check the transmission of the signal from the outdoor transmitter to the receiver (transmission range of up to 60 m free field). Within ferro-concrete rooms (basements, superstructures), the received signal is naturally weakened.

10. Care and maintenance


- Clean the devices with a soft damp cloth. Do not use solvents or scouring agents.
- Remove the batteries and pull out the power adapter of the socket, if you do not use the products for a long period of time.
- Keep the devices in a dry place.

10.1 Battery replacement

- Change the batteries of the outdoor transmitter, when the battery symbol appears on the display of the outdoor values.
- Change the batteries of the basic station, when the battery symbol appears on the display of the indoor values.
- **Please note:** When the batteries are changed, the contact between outdoor transmitter and receiver must be restored, so always insert new batteries into both devices or start a manual transmitter search.

11. Troubleshooting

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Pro	Solution
No indication at the receiver	<ul style="list-style-type: none">→ Ensure that the batteries polarity are correct→ Change the batteries
No reception of the outdoor transmitter Indication "--" for channel 1/2/3	<ul style="list-style-type: none">→ No outdoor transmitter is installed→ Check batteries of external transmitter (do not use rechargeable batteries!)→ Restart the outdoor transmitter and the basic station according to the manual→ Start the outdoor transmitter search manually according to the manual→ Reduce the distance between the outdoor transmitter and the receiver→ Check if there is any source of interference
Incorrect indication or low power symbol display 	<ul style="list-style-type: none">→ Change the batteries

12. Waste disposal

This product has been manufactured using high-grade materials and components which can be recycled and reused.



Never dispose of empty batteries and rechargeable batteries in household waste. As a consumer, you are legally required to take them to your retail store or to an appropriate collection site depending on national or local regulations in order to protect the environment. The symbols for the heavy metals contained are: Cd=cadmium, Hg = mercury; Pb=lead. This instrument is labelled in accordance with the EU Waste Electrical and Electronic Equipment Directive (WEEE).



Please do not dispose of this instrument in household waste. The user is obligated to take end-of-life devices to a designated collection point for the disposal of electrical and electronic equipment, in order to ensure environmentally-compatible disposal.