

WIRELESS THERMOMETER & REMOTE CONTROL POOL LIGHT

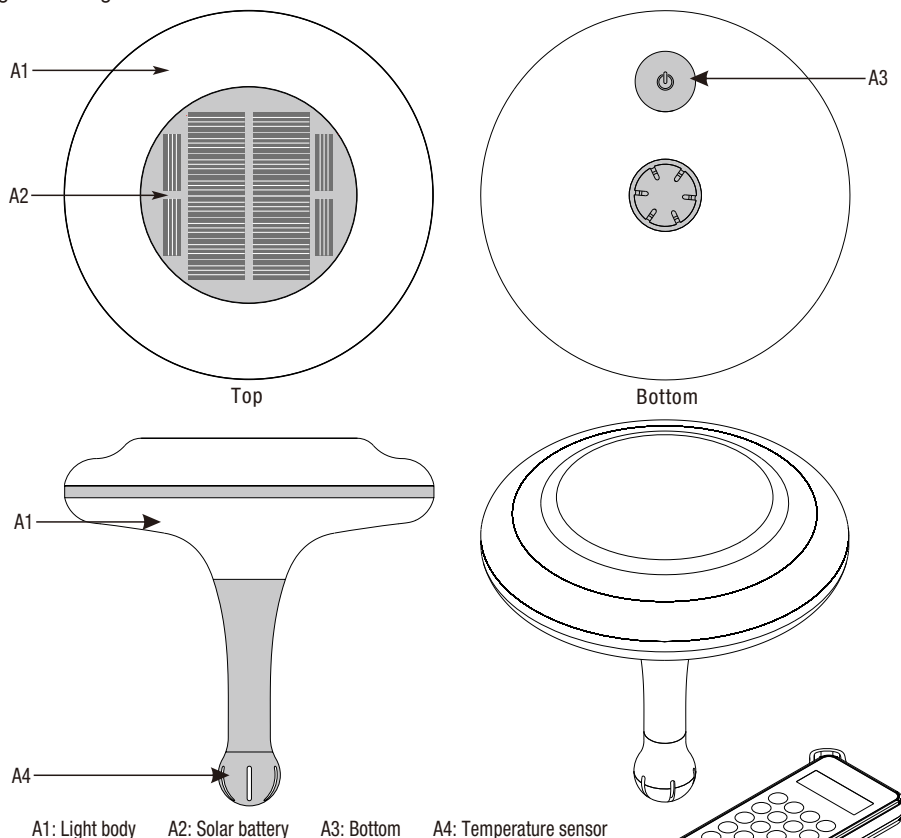
Instruction manual

Model:SH9160

This product is a two-way transmission pool light combined with a thermometer. The light can transmit temperature signals to the remote control, and at the same time, the remote control can be used to remotely control the light.

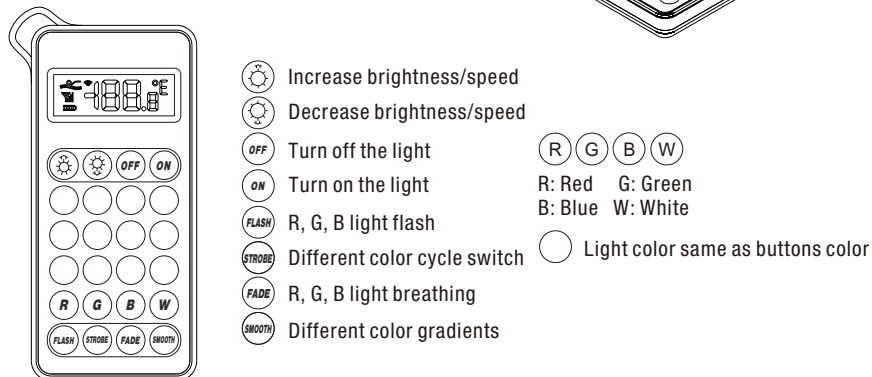
1.Description of parts

Fig. 1: Pool light with thermometer



A1: Light body A2: Solar battery A3: Bottom A4: Temperature sensor

Fig. 2: Receiver with Remote



- Increase brightness/speed
 - Decrease brightness/speed
 - Turn off the light
 - Turn on the light
 - R, G, B light flash
 - Different color cycle switch
 - R, G, B light breathing
 - Different color gradients
- R: Red G: Green
 B: Blue W: White
 Light color same as buttons color

Fig.3 : Receiver with remote Display

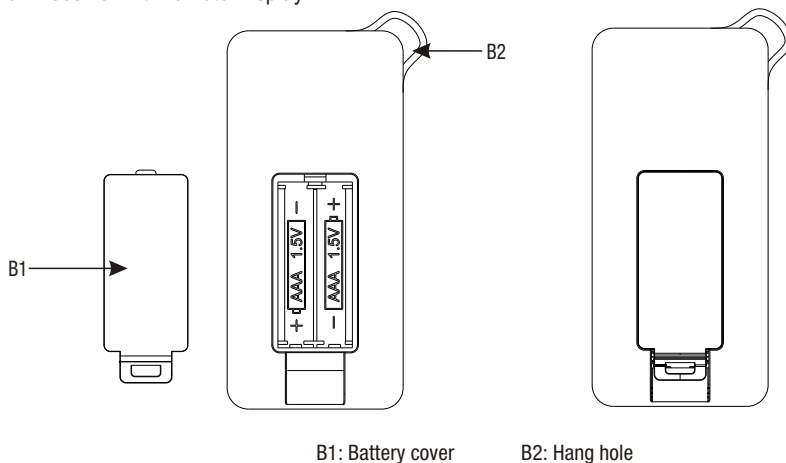
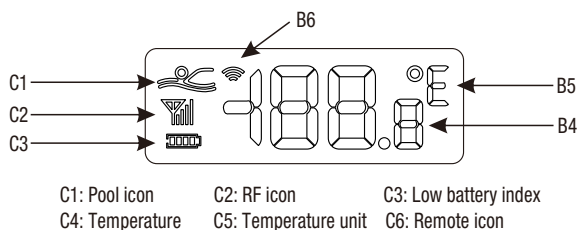


Fig.4 : Receiver with remote Display



2.Scope of delivery

- 1pcs pool light/thermometer
- 1pcs receiver/remote
- Instruction manual

3.Specifications

Pool Light/Thermometer

- Product size: Ø148 x 108mm
- Solar panel power: 1W
- Lithium battery: 3.7V, 1000mAh
- Water proof level: IPX7
- Measuring range : -20°C~+50°C(-4°F~122°F)
- Accuracy: +/-1°C(2°F) between 0°C to 50°C,otherwise +/-2°C(4°F)
- 1 minute temperature measure cycle
- Transmit distance: 50m in open area
- Multiple colors LED light

Receiver/Remote

- Size: 107*59*12mm
- RF remote control distance: 50m, Frequency: 433.92MHZ
- Battery: 2pcs AAA batteries
- Control the pool light colors and receive temperature data from pool light
- 16 colors and 4 light modes chose

4. Easy for use

4.1 First time use must connect Pool light to Receiver.

- Remove the battery cover of receiver and insert two new batteries 1.5V AAA, polarity as illustrated, and close the battery compartment again. The receiver automatically receives signals for 3 minutes. The RF icon is flashing.
- Hold the pool light button for 3 seconds to turn on it, the green light flash once, and it also automatically send signal to receiver, then the temperature value will display on the lcd of receiver.
- **Attention: It must turn on the pool light within 3 minutes after the receiver is powered on.**

4.2 Pool light / Thermometer function

- Put the pool light in the pool, it can float on water.
- In dark environment, press ON button of receiver/remote, the light will be lit up.
- If no any button pressed both pool light button and remote buttons then it will auto turn off the light after 2 hours. Press ON button can turn on it again.
- **Attention: The pool light function can just turn on light in dark environment. The thermometer is not needed.**

4.2.1 Light control

- Remote: Press any buttons on remote can control the light. colors, modes, speed and so on. Remote control distance about 50m.
- Brightness adjust: In any single color mode, press these   two buttons can increase and decrease the brightness.
- Speed of flash adjust: In these     four flash mode, press these   two buttons can increase/decrease the speed of flash.
- Button on back of light: Press the button to cycle control different colors, different modes. Hold the button for 3 seconds to turn off the light and red light blinking 3 times and into save battery status, the remote can not control light until turn on the light again by the button pressed.

4.2.2 Solar battery charge

- About 6-8 hours can full charge the battery in 100,000 lux light like sunny summer. and full battery can use about 5 hours.
- Must keep the solar panel clean when charging.
- If the battery power low, then the light will auto power off.

NOTE: If do not use it for long time, please Hold the button for 3 seconds on the back of light to turn off power, then it can save more battery. When use it again, hold this button first.

4.2.3 Thermometer

- The temperature sensor under the water for measurement.
- After turn on the light it will automatically send signal every 1 minute.

4.3 Receiver/Romote function

- After received the signal from pool light, the temperature value displays on LCD.
- The default unit of temperature is °C, both hold   buttons for 5 seconds to switch unit to °F. After replace battery then it will back to °C.
- If here is more than 1 pcs pool light used same time then the first received one will be display the temperature value on the screen. But the remote can control every pool light.
- If the receiver does not display temperature value, it means it has not received signal, take out the batteries and install again, it will automatically receive 3 minutes.
- If low battery icon is displayed, please replace new batteries.

5. FCC Statement

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