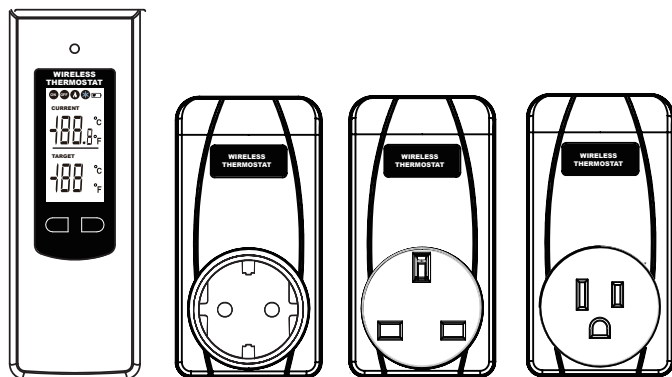


Product Name: WIRELESS THERMOSTAT

Brand: OKAYLIGHT

Model: OPS100+OTS100, TS-808

Manufacture: Okaylight Electronic Co., LTD

Remote  
ThermostatPlug in socket  
EU typePlug in socket  
UK typePlug in socket  
USA type

## FEATURES

- Plug and play type, no need installation
- Heating Mode or Cooling Mode switchable
- LCD with green backlight
- Display Current temperature
- Display Target temperature
- Automatic learn code/Manually learn code
- Always ON/OFF function (Remote control)
- °C/°F switchable
- High/Low temperature warning
- Easy setting with memory function
- Low battery warning
- Room thermostat
- RF 433Mhz RF technology
- Multi-channels, one remote can control multi plugs
- Portable design, hold in hand/  
Stand on table/wall mounted

## 1. INTENDED USE AND PRINCIPLE OF OPERATION

The Wireless Thermostat is intended for automatic control of electrical heating appliances or cooling appliances and consists of 2 components: a Remote Control Unit with integrated temperature sensor and a Plug in Socket Unit.

It will automatically turn on/off heating devices or cooling devices as your preset target temperature, to maintain a stable room temperature in order to provide comfort and save energy.

## 2. SPECIFICATION

### Transmitter, Remote thermostat control:

CURRENT temp. range: 0.0 °C~70 °C or 32.0 °F~158.0 °F

TARGET temp. range: 0 °C~70 °C or 32 °F~158 °F

CURRENT Temperature resolution: ±1 °C / °F

Batteries: 2PCS\*1.5V AAA battery

Low temperature: ≤0.0 °C, CURRENT Shows LL

High temperature: ≥70.0 °C, CURRENT Shows HH

Wall mounted holder & Table stand

### Receiver, Plug in socket:

Transmission Frequency: 433.92MHz

Maximum Range: 20 meters in open area

Maximum Rating:

EU type: 230V/16A/50Hz, 3680W Max.

UK type: 250V/13A/50Hz, 3250W Max.

USA type: 110V/15A/60Hz, 1800W Max.

## 3. HEAT MODE(☀) / COOL MODE(❄)

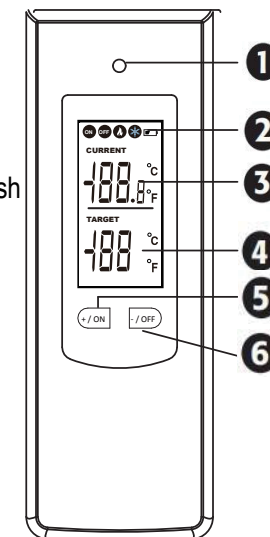
This wireless thermostat is designed with HEAT mode and COOL mode, two mode is switchable as below steps:

\* Reload the batteries for remote thermostat, the heating symbol(☀) will be flashing, you can press +/ON or -/OFF button, switch to cooling symbol(❄), after choose your wanted mode, wait for 8~10 seconds, heating symbol or cooling symbol will stop flashing.

\* When you reload batteries for remote thermostat next time, the mode symbol is memorized as your last choice, if you don't want to change mode, just wait for 8~10 s.

## 4. DESCRIPTION

- 1 Green LED indicator.
- 2 Current operating mode display:
  - display ON/OFF status;
  - display Heat symbol;
  - or display Cool symbol;
  - low Battery warning symbol flash (if battery voltage is below 2.6 V)
- 3 LCD current temperature (°C/°F).
- 4 LCD target temperature (°C/°F).
- 5 +/ON button:
  - select Heat (☀) or cool mode(❄)
  - set target temperature (+);
  - ALWAYS ON Mode.
- 6 -/OFF button:
  - select Heat (☀) or cool mode(❄)
  - set target temperature (-);
  - ALWAYS OFF Mode

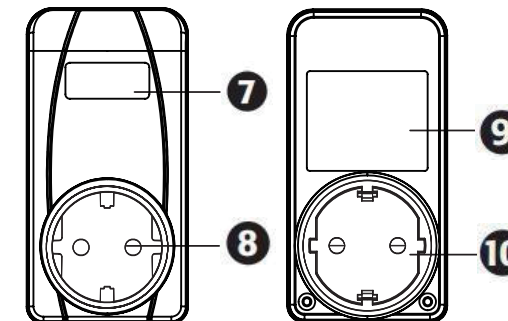


\* Hold and press **5** & **6** at the same time about 3 seconds, then it will switch between °C/°F.

### \* Memory function

All the settings will be memorized even if power is off. It includes target temperature settings, °C/°F symbol.

- 7 Red LED indicator under LOGO Label.
- 8 Child protection socket.
- 9 Rating Label.
- 10 EU Plug.



MADE IN CHINA

## 5. AUTO CODING

After the Plug in Socket is connected to electric mains, the red LED indicator ⑦ will flash indicating that the unit is in Auto Coding mode:

- if can't detect any transmitted signal from remote thermostat control, it will flash for 2 minutes and then exit the coding procedure;
- if can detect transmitted signal, it will be back to normal. It means that coding has been successful.

### Manually coding

You can press once ⑤ or ⑥ button, then wait for 3 seconds, thermostat control will send pairing code, and Green LED flash once.

## 6. AUTO OPERATION IN HEAT MODE( 🔥 )

Press ⑤ or ⑥ button to set the target temperature. When the target temperature is higher than the current temperature (Fig. 1):

1. The transmitter sends commands to turn on all the connected sockets.
2. LCD displays ON symbol.
3. The red LED indicator ⑦ is on.
4. The connected heating devices will be in working status to heat the room.

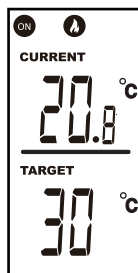


Fig.1

As the heating device works, current temperature will be increasing and approach the target temperature (Fig. 2):

1. Transmitter will send OFF commands to turn off all the connected heating devices.
2. LCD displays OFF symbol.
3. Red LED indicator ⑦ is off.

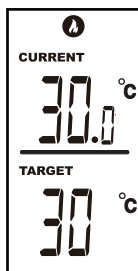


Fig.2

When current temperature decreases by 1 °C, ON command is sent to turn on all connected heating devices again.

So, the room temperature will remain between:

Target Temp. -1 °C ≤ Room Temp. ≤ Target Temp.

## 7. AUTO OPERATION IN COOL MODE( ❄ )

If you want to control cooling devices, please switch to cool mode.

In cool mode, the operation is opposite to heat mode.

Press ⑤ or ⑥ button to set the target temperature.

When target temp. is lower than current temp.(Fig.3)

1. Thermostat control send commands to turn on all connected sockets.
2. LCD display ON, red LED indicator ⑦ is ON.
3. The connected cooling devices will cool the room

As the cooling device works, current temperature will be decreasing and approach the same as target temperature.(Fig.4)

1. Thermostat control send commands to turn off all the connected cooling devices.
2. LCD display OFF symbol
3. Red LED indicator ⑦ is OFF.

When current temperature increases by 1 °C, ON commands is sent to turn on all connected cooling devices again.

So the room temperature will remain between:  
Target Temp. ≤ Room Temp. ≤ Target Temp. +1 °C

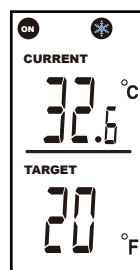


Fig.3

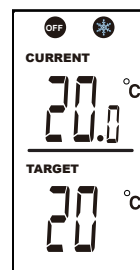


Fig.4

### During AUTO OPERATION in Heat or Cool mode:

\* Transmitter will detect temperature and transmit signal every 20 seconds, that is why a certain delay may occur when the device is in Auto Operation mode

## 8. ALWAYS ON MODE

Use ALWAYS ON function if uninterrupted operation of heaters is required.

Press and hold ⑤ button for 3 seconds to switch to ALWAYS ON mode, target temperature disappears, ON symbol will be displayed (Fig. 5).

To return to Auto Operation mode, press and hold ⑤ button for 3 seconds.

**Manually turn off heating devices if not in use.**



Fig.5

## 9. ALWAYS OFF MODE

To permanently turn all connected heaters off, press and hold ⑥ button for 3 seconds to switch to ALWAYS OFF mode.

OFF symbol will appear, and only current temperature will be displayed (Fig. 6).

To return to Auto Operation mode, press and hold ⑤ button for 3 seconds.

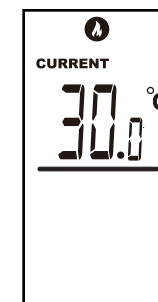


Fig.6

## 10. REMOTE CONTROL FUNCTION

This wireless thermostat can be used as remote control socket. You can manually turn ON or turn OFF connected home appliances remotely by this item, such as your home lighting, TV, FANS, Radios, etc.

In auto operation mode, set TARGET temperature is far higher than CURRENT temperature, so that transmitter always show ON symbol, see Fig.7.

- OFF: Then hold and press -/OFF button for 3 seconds to turn off home appliances remotely.

- ON: Hold and press +/ON button for 3 seconds to turn on home appliances remotely again.



Fig.7

FCC Caution.

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.

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

Note: 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.