DIGITEN

USER MANUAL



Wireless Thermostat

WTC100

WTC200

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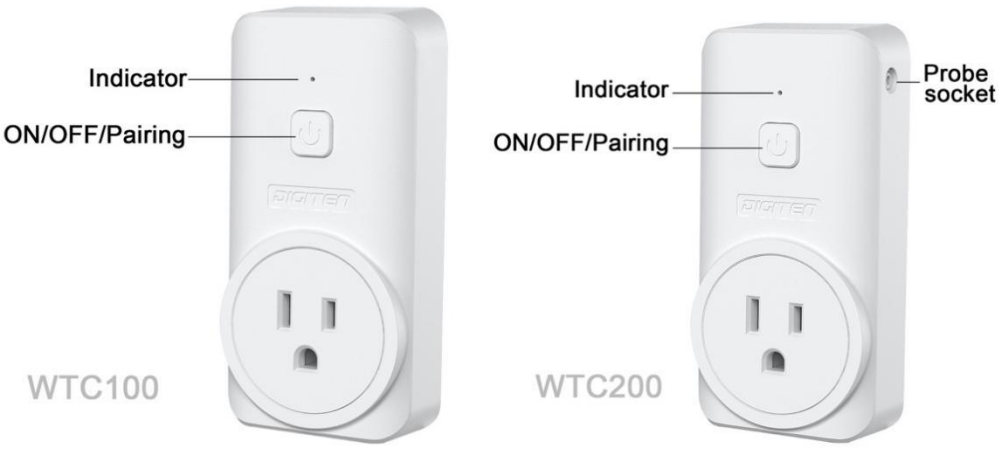
FEATURES

- Easy to set memory function
- Plug and play, Works at 100-240V AC
- Displays current temperature
- Displays stop and start temperature settings
- Automatic cooling or heating
- Manual on / off function
- Switch between °C / °F
- High/low temperature alarm
- Memorize all the setting value
- Low battery warning
- Cooling delay protection
- Portable design, handheld / wall mounted

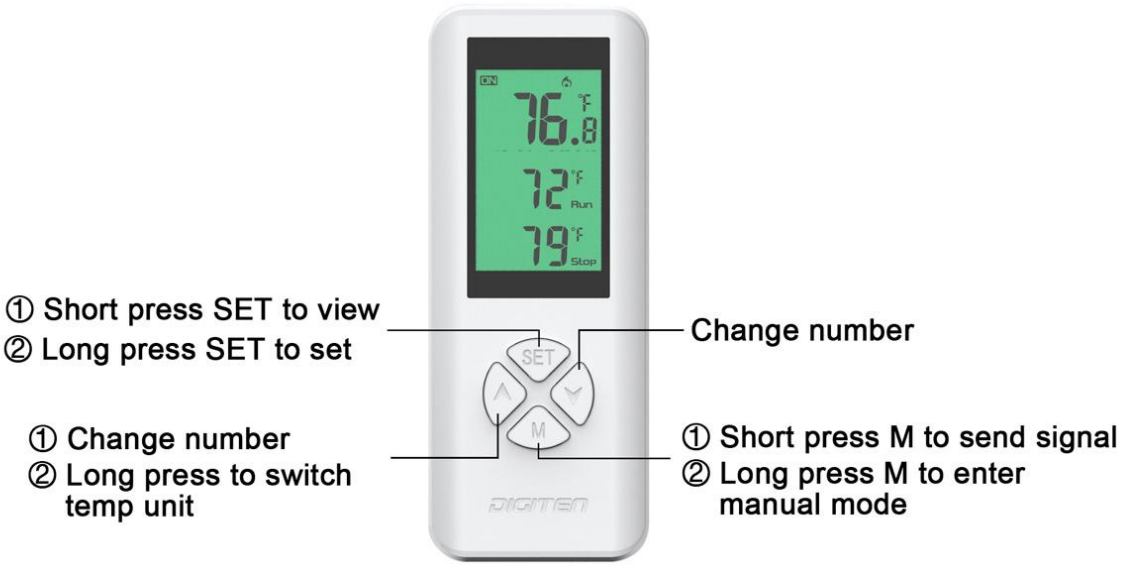
Multiple sets of equipment will not interfere with each other!

Get to know this device

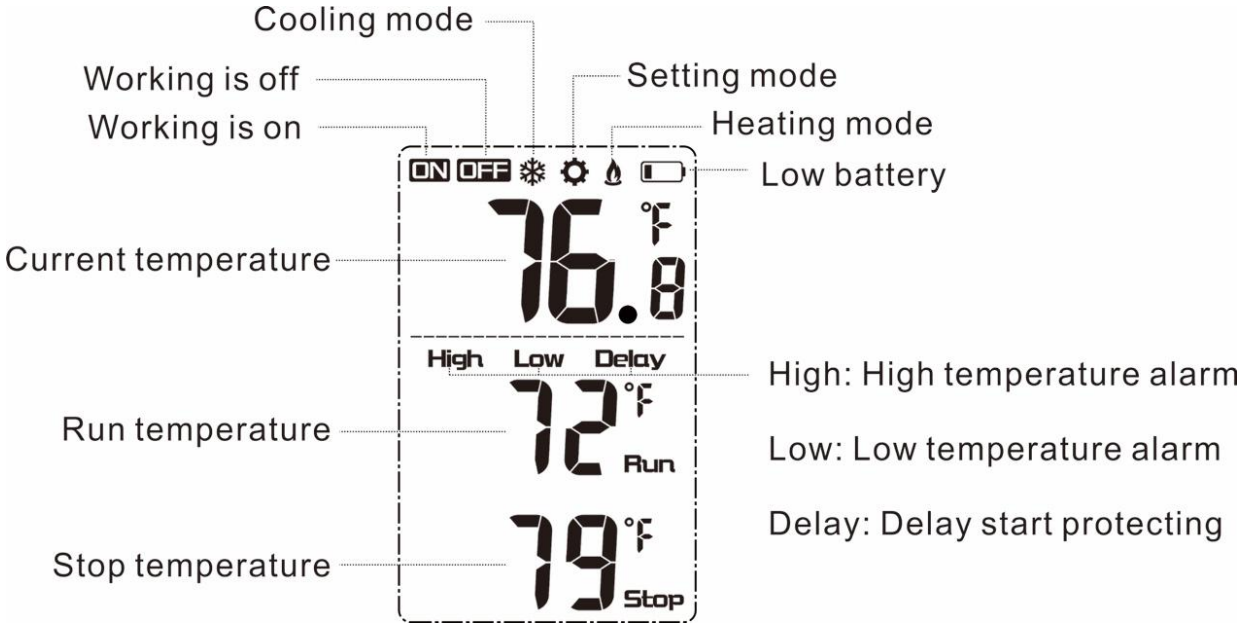
Receiver



Remote controller



LCD display



Specifications

	WTC100	WTC200
Operating voltage	100-240V AC	
Load capacity	100-240VAC 13A, 1500W@110VAC, 2500W@220VAC	
Remote batteries required	2PCS 1.5V AAA, standby for 6 months	
Transmission distance	100m（open space）	
Temperature range	-10.0 ° C ~ 80 ° C, 14 ° F ~ 176.0 ° F	
Activation temperature range	0°C~70°C, 32°F~158.0°F	
Temperature accuracy	±0.1°C /°F	
Control Precision	±1°C /°F	
High and low temperature alarm	0-80°C	
Remote control refresh frequency	20 Seconds	
Temperature probe	Built in remote	Receiver with 2m/6ft NTC probe

Put in or replace the Battery

1. 2 AAA size batteries are needed for the remote. Make sure they are inserted in the right direction
2. When the low battery warning appears, please change batteries.

Pair/un-pair with the remote

We pair the remote with the receiver. If the remote can't connect to the receiver, please re-pair according to the methods below:

1. Press and hold ⏻ button on the receiver until the LED flashes, then press **M** button on the remote control to pair the receiver.
2. Press and hold ⏻ button on the receiver until the LED flashes 5 times, then flash 2 times quickly before release the button. All remotes will be unpaired. If you re-pair the remote, please repeat the step 1.

Note: One remote can control multiple receivers (Only WTC100).

Change the temperature unit

Press the ▲ button for 3 seconds to switch the temperature units.

Cooling mode ❄

Set the temperature RUN value higher than the STOP value, the controller is in cooling mode, and the LCD displays the COOLING symbol ❄.

1. When the CURRENT temperature is higher than the RUN value, the cooling operation starts, the relay outputs, the LCD displays ON, and the green light on the receiver turns on. When the CURRENT value drops below the STOP value, the cooling operation stops, and the LCD displays OFF. The green light on the receiver turns off.
2. When the CURRENT temperature value is lower than the RUN value, the cooling operation stops, the relay has no output, the LCD displays OFF, the green light on the receiver turns off. When the CURRENT value rises to the RUN value, the cooling operation starts, the LCD displays ON, the green light on the receiver turns on.

Heating mode

Set the temperature value RUN<STOP, the controller is in heating mode, and the LCD displays the HEATING symbol .

1. When the CURRENT temperature is lower than the RUN value, the

heating operation starts, the relay outputs, the LCD displays ON, the green light on the receiver turns on, when the CURRENT rises to the STOP value, the heating operation stops, the LCD displays OFF, the green light on the receiver is off.

2. When the CURRENT temperature value is greater than the STOP value, the heating operation stops, the LCD displays OFF, the green light on the receiver turns off, when the CURRENT temperature drops to the RUN value, the heating work starts, the LCD displays ON, the green light on the receiver turns on.

High and low temperature alarm

1. Alarm is on

Long press SET button, then press the ▼ button to set the High alarm value you desire on the HIGH page, which the default value is OF.

Long press SET button, then press the ▲ button to set the Low alarm value you desire on the LOW page, which the default value is OF.

2. Disable the alarm

Keep pressing the ▲ button until the LCD displays OF to turn off the High alarm.

Keep pressing the ▼ button until the LCD displays OF to turn off the Low alarm.

Delay function

Damage can occur if the compressor restarted too soon after shutdown. This feature forces the compressor to wait for a few minutes before restarting.

During the wait time, the display will flash Delay, When the safe wait time has elapsed, the display stops flashing and the compressor turns on

How to set

1. Press and hold the SET button until the corresponding value flashes. At the same time, the ⚙ is displayed on the LCD. Press the ▲ or ▼ button to

change the number. Short press SET button to set next valve, or long press the SET button to exit and save. Use this method to set the RUN/STOP/Delay/HIGH/LOW value respectively. After setting all the parameters, press and hold the SET button to exit and save. If there is no action taken for 30 seconds, setting mode will be exited and any changed will not be saved.

NOTE: In the setting state, long press the ▲ or ▼ button to continuously to change the setting value.

2. Example

In cooling mode, you want to keep room temperature at 77F， High alarm at 88F, Low alarm at 70F.

1) Long press SET button until ⚙ appears on the display， and the setting value flashes.
2) Press ▲ or ▼ to set the RUN at 77F, STOP is 75F.
3) Short press SET button to toggle between High and Low value.
4) Long press SET to save and exit.

Restore factory settings

POWER OFF, press and hold the SET button to power on at the same time. After a long beep, all values are restored to the factory settings.

Default settings

Setting	Function	Setting range	Default value
Temp unit	Temperature unit	℃/℉	℉
Run	Run temperature value	0-70℃	20℃
		32-158℉	68℉
Stop	Stop temperature value	0-70℃	28℃
		32-158℉	82℉
High	High alarm value	0-70℃	70℃
		32-158℉	158℉
Low	Low alarm value	0-70℃	0℃
		32-158℉	32℉
Delay	Delay protecting time	0-10 minutes	0

Manual turn on/off function

Press and hold the M button for 3 seconds, the controller switches to the manual mode, Always on or Always off will appear on the display. Short press the M button to turn on/off the device. Long press the M button to exit the manual control function.

Note: Short press ⏻ on the receiver to turn on/off loading until it receive command from transmitter.

Troubleshoot

1. Current temperature is incorrect.
   The remote updates the temperature value every 20 seconds. If you are using it for the first time, please wait for about 5 minutes before the measurement is stable.
2. If the current temperature reaches the RUN value, but the power does not turn on, re-pair the remote with the device.
3. If the heating/cooling device is starting and stopping too frequently increase the difference between RUN and STOP.
4. Others
   4.1. If the probe socket is open: LCD current value shows Err
   4.2. If the measured temperature exceeds the measurement range, the current value shows HH (high temperature), LL (low temperature)

WARRANTY

The DIGITEN products are guaranteed to the original owner for one year against defects in workmanship and materials. Please contact us:
service@digit-en.com
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