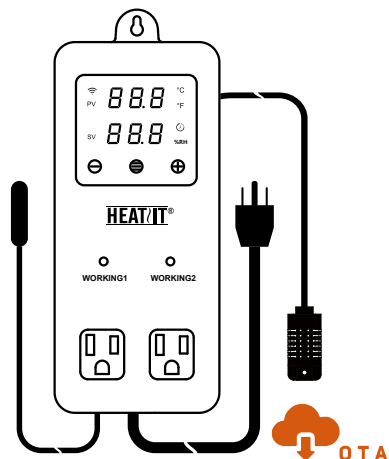


ET-32W

USER MANUAL



Introduction

ET-32W is a reliable dual-relay output type temperature and humidity controller. It can be used for seed germination, rooting, brewing, heating, fermentation and other operations. It adopts a plug-and-play design and is equipped with dual relays, which can be easily connected to refrigeration, heating, dehumidification and humidification equipment to achieve ideal temperature and humidity control.

Technical Parameter

Input power: 120Vac 60Hz

Maximum output: Heating equipment: Max 1800W
Refrigeration equipment: Max 720W

Temperature sensor: NTC R25°C=10K/3950

Temperature sensor length: 2m/6.56ft

Humidity Sensor length: 1.1m/3.6ft

Power cord length: 1.5m/5ft

WIFI standard: 2.4Ghz

Temperature display accuracy: 0.1°C/1°F

Humidity display accuracy: 1%RH

Temp. measurement range: -30~99°C/-22~210°F

Humidity measurement range: 5-99%RH

Temperature control error: ±0.5°C/±1.0°F

Humidity control error: ±3%RH

Ambient temperature: -10°C~50°C/14~122°F

Ambient Humidity: 20~85%RH(Unfrozen or condensation state)

Sensor operating environment:

-30°C~100°C/-86~212°F

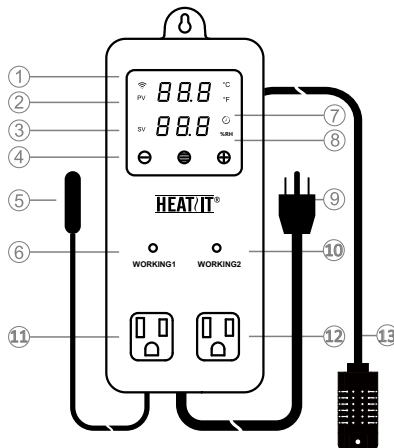
Storage environment: 0°C~60°C/32°F~140°F

Period of quality guarantee: 2 years

IP class: IP31

Symbols

- ① : Icon flashes: Wi-Fi not connected. Icon is constantly on: Wi-Fi connected.
 - ② PV : Process Value. under standby mode, display current temperature; under setting mode, display menu code.
 - ③ SV : Setting Value. under standby mode, display setting temperature; under setting mode, display setting value.
 - ④ Decrease/Home/Increase key.
 - ⑤ Temperature probe.
 - ⑥ Working1 indicator :RED
 - ⑦ : Weekly program mode has been activated Open the settings in the APP
 - ⑧ Humidity unit.
 - ⑨ Input power.
 - ⑩ Working2 indicator:BLUE
- When the temperature control mode is activated :
- ⑪ Heating socket. ⑫ Cooling socket.
- When the humidity control mode is activated :
- ⑪ Humidifier socket ⑫ Dehumidification socket
- When both temperature and humidity are controlled simultaneously, these two sockets can be set according to the requirements. For example:
- ⑪ Heating/Cooling socket
 - ⑫ Humidifier socket/Dehumidification socket
 - ⑬ Humidity sensor



Functions

1. After the first power-on, enter the display interface of Humidity setting and temperature setting. You can directly set the temperature and humidity on the interface. Set the function list as required.

The following is an explanation of the function list code and its functions:

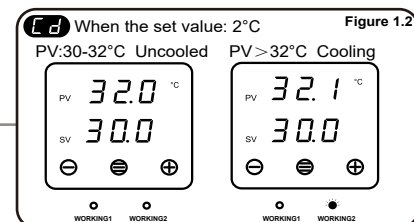
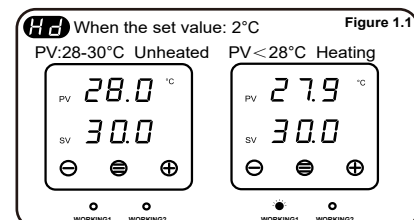
First, long press Home for 3s to enter the function

list settings. The upper Nixie tube shows "CLL" (Control mode). Press the home button to go to the next setting.

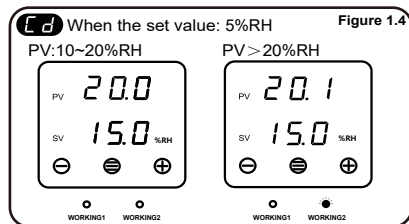
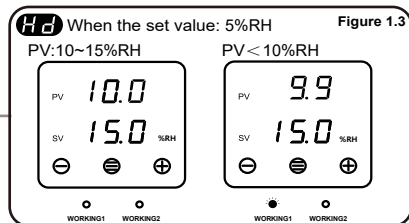
CLL	Set the control options. Press the "+" or "-" key to change the control mode. There are three control modes, t : temperature control, H : humidity control, tH : simultaneous temperature and humidity control.
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When the temperature control mode is selected, t : temperature control.

Hd	Heating operating temperature difference. Press +/- to alter the value in the range of 1~30°F/1~17°C. Default 3°F/2°C. (Example ref figure 1.1)
Cd	Cooling operating temperature difference. Press +/- to alter the value in the range of 1~30°F/1~17°C. Default 3°F/2°C. (Example ref figure 1.2)
HL	Temperature upper limit alarm value, Press +/- to alter the value in the range of -22~210°F/-30~99°C. Default 200°F/93°C.
LL	Lower temperature limit alarm value, Press +/- to alter the value in the range of -22~210°F/-30~99°C. Default -12°F/-22°C.
CP	Compressor Protection, To prevent the compressor from starting continuously and frequently. Wait some time before the compressor starts cooling. Press +/- to alter the value in the range of 1~10min. Default 3 min. The cooling indicator are blinking while waiting.
SC	Sensor Calibration, Press +/- to alter the value in the range of -10~10°F. Default 0°F.
CF	°C and °F can be selected. Press +/- to alter. Press Home to return to the interface of detection and temperature settings. This is the last setting.
FOC	factory data reset: Press +/- to alter the value in the range of NO/YES



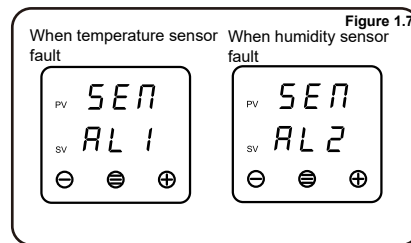
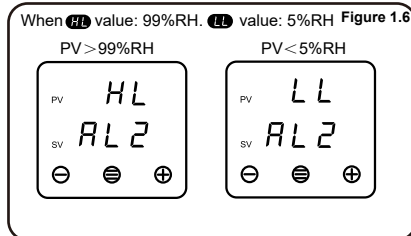
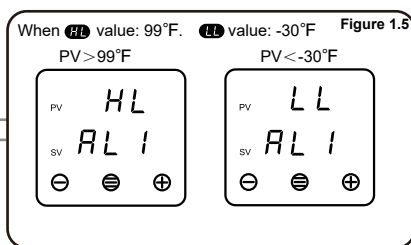
When the humidity control mode is selected, H : humidity control



Hd	Humidity setpoint deviation setting, Press +/- to alter the value in the range of 5%RH~15%RH. Default 5%RH.(Example ref figure 1.3)
Cd	Dehumidification humidity deviation setting, Press +/- to alter the value in the range of 5%RH~15%RH.Default 5%RH. (Example ref figure 1.4)
HL	Upper limit alarm value for humidity, Press +/- to alter the value in the range of 5%~99%RH. Default 99%RH.
LL	Lower limit alarm value for humidity, Press +/- to alter the value in the range of 5%~99%RH. Default 5%RH.
CP	Compressor Protection ,To prevent the compressor from starting continuously and frequently.Wait some time before the compressor starts cooling.Press +/- to alter the value in the range of 1~10min.Default 3 min.The Dehumidification indicator are blinking while waiting.
SC	Sensor Calibration, Press +/- to alter the value in the range of -10%RH~10%RH . Default 0%RH.
FOC	factory data reset: Press +/- to alter the value in the range of NO/YES

When both temperature and humidity are controlled simultaneously, **EH** : simultaneous temperature and humidity control.

EC	Temperature control mode switch, Press +/- to alter the value in the range of HER/COO . Default: HER
HC	Switching of humidity control methods, Press +/- to alter the value in the range of HUN/ DHU . Default: HUN
FOC	factory data reset: Press +/- to alter the value in the range of NO/YES



Alarm message

Low temperature warning

When the detected temperature is lower than the low temperature limit, the upper Nixie tube LL and the lower Nixie tube AL1 flicker. The buzzer "ticks" circularly to stop all outputs. Press any key to cancel the sound of buzzer.(Ref figure 1.5)

High temperature warning

When the detected temperature is higher than the high limit temperature, the upper Nixie tube HL and the lower Nixie tube AL1 flicker. The buzzer "ticks" circularly to stop all outputs. Press any key to cancel the sound of buzzer. (Ref figure 1.5)

Low humidity warning

When the detected humidity is lower than the low humidity limit, the upper Nixie tube LL and the lower Nixie tube AL2 flicker. The buzzer "ticks" circularly to stop all outputs. Press any key to cancel the sound of buzzer.(Ref figure 1.6)

High humidity warning

When the detected humidity is higher than the high limit humidity, the upper Nixie tube HL and the lower Nixie tube AL2 flicker. The buzzer "ticks" circularly to stop all outputs. Press any key to cancel the sound of buzzer.(Ref figure 1.6)

Sensor failure warning

Under the temperature control condition,when detecting the sensor fault, the upper Nixie tube SEN and the lower Nixie tube AL1 flicker. Under the humidity control condition,when detecting the sensor fault, the upper Nixie tube SEN and the lower Nixie tube AL2 flicker.When any of the above situations occurs,the buzzer "ticks" circularly to stop all outputs. Press any key to cancel the sound of buzzer.(Ref figure 1.7)

Wifi Connection

Step 1: Scan the QR code or download the Warmme from APP store/ Google browser.

Step 2: Register and log in with email addressin the APP.

Attention: Read and agree 'Privacy Policyand Service agreement' before registration.

Step 3: Click 'Add Device' or '+' on the topright to add device.

Step 4: Click 'WiFi thermostat'.

Step 5: If the WIFI icon flash quickly, Click 'Press to connect'.

Step 6: Enter Wifi password, and click 'Confirm'.

Step 7: If device added successfully, you can change the device name and set region. Then, click 'Done'.

Attention: If failed, confirm the Wifi is 2.4G version and check the Wifi signals, then, use the 'AP mode' in the top right to connect again.

Step 8: You can check the actual temperature and set temperature etc. at the control interface.

Note: If the WIFI is not stable, the thermostat may be disconnected. If so, please press + and - simultaneously for three seconds to make the WiFi signal flash quickly and reconnect to the Internet. The mode will be switched to Hold mode automatically when the thermostat is disconnected.

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. Caution: Changes or modifications to this unit 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.

