Manuals+ — User Manuals Simplified.

dewenwils HTCS01A1 Digital Temperature Controller Instruction Manual

Contents

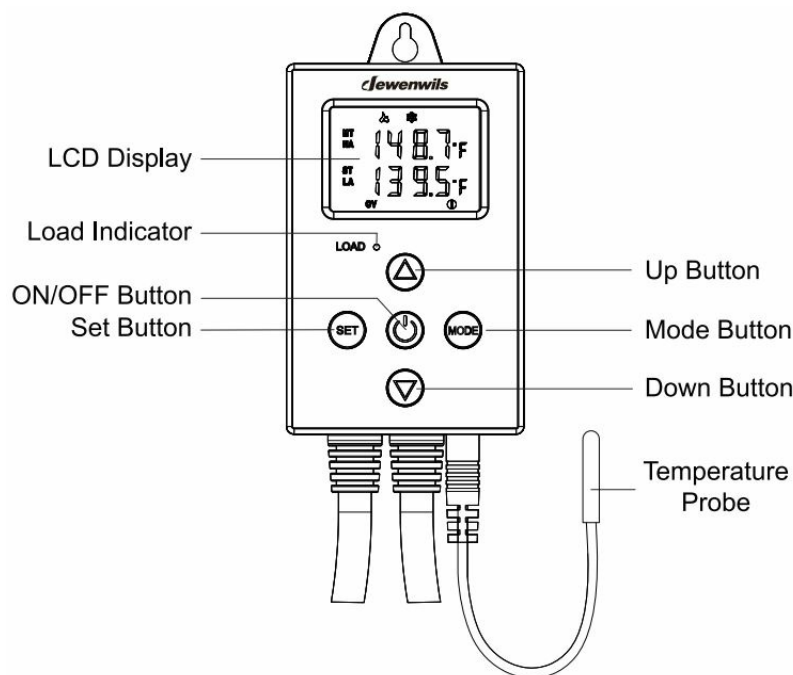**dewenwils HTCS01A1 Digital Temperature Controller**

Please pay attention to the warning signs Read the instructions with caution before operating and keep it properly
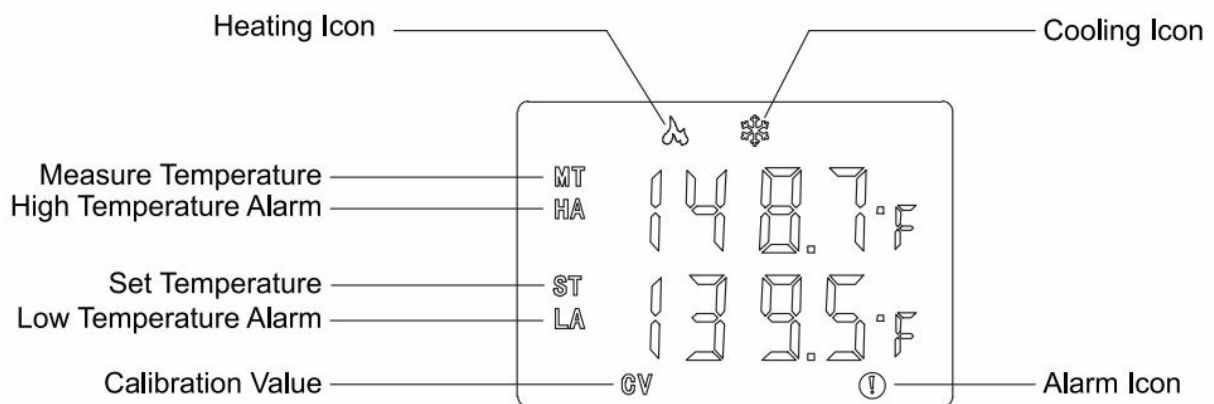
WARNING:

To reduce the risk of fire, electric shock or personal injury, please follow the instructions strictly.

1. Do not immerse temperature controller in water.
2. Do not use this unit in the environment with much explosive gas, steam or dust.
3. Do not connect any devices which may exceed the maximum ratings of this temperature controller.
4. Children are not allowed to use the temperature controller without adult supervision.
5. Do not disassemble or repair the product unless by authorized service personnel.
6. To prevent suffocation and chocking, keep children away from packaging materials.
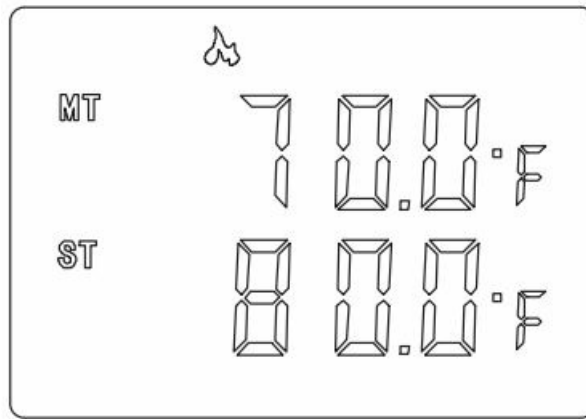
Product Layout

- **Load Indicator:** Indicator lights up when the load device is working
- **Up/Down Button:** Adjust the temperature, short press to adjust slowly, long press to adjust quickly

Operating Instruction

Plug the temperature controller into the power outlet and press ON/OFF button to turn on, then refer to the following steps for instructions.
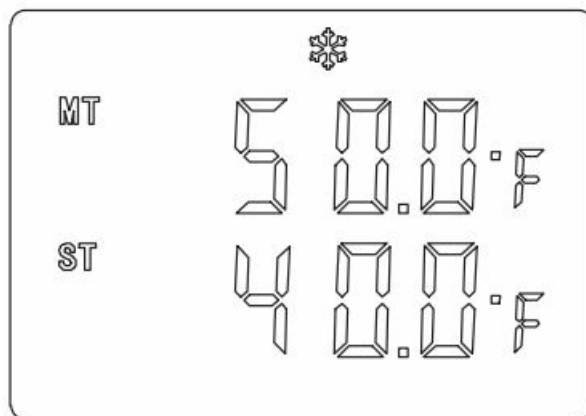
Heating Mode

Press the MODE button to switch the heating icon ♨ flashing, then press SET button to confirm, the heating icon ♨ stops flashing when the heating mode is completed successfully. Temperature setting: Press UP/DOWN button to select target temperature, at the same time, "ST" will flash, wait for 5s after finishing the selection, "ST" stops flashing, indicating the temperature setting is completed successful. For example, set the target temperature to 80.0° F, first time, when the measured temperature is below 80°F (MT< ST), the heating starts and the load indicator lights up; when the measured temperature is above 80°F (MT>ST), the heating stops and the indicator goes out; when the measured temperature is below or equal to 78°F (MT≤ST-2°F), the heating restarts and the indicator lights up.

Note: If switch to other modes or turn off during heating, it will exit the heating mode.

Cooling Mode

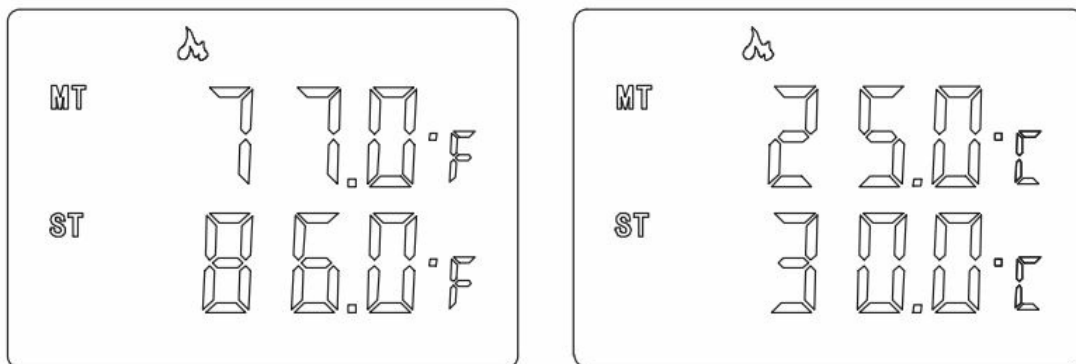Press the MODE button to switch to the cooling icon : ❄ : flashing, then press SET button to confirm, the cooling icon ❄ stops flashing when the cooling mode is completed successfully. Temperature setting: Press UP/DOWN button to select target temperature, at the same time,"ST"will flash, wait for 5s after finishing selection,"ST"stops flashing, indicating the temperature setting is completed successful. For example, set the target temperature to 40.0° F, first time, when the measured temperature is above 40° F (MT>ST), cooling starts and the load indicator lights up; when the measured temperature is below or equal to 38° F (MT≤ST-2° F), cooling stops and the indicator goes out; when the measured temperature is equal to 40° F (MT= ST), the cooling system restarts and the indicator lights up.

Note: If switch to other modes or turn off during cooling, it will exit the cooling mode.
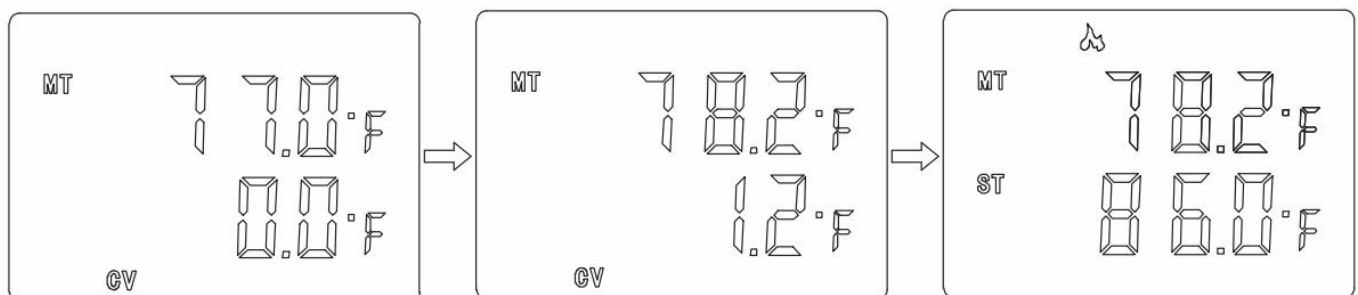
Caution: Heating mode has 1-minute delay protection by default, when the time interval between two heating operations is less than 1 minute, the equipment won't start heating until 1-minute delay is satisfied. Delay time will be calculated right after the moment of heating stops. Cooling mode has 2-minute delay protection by default (Compressor Delay), when the time interval between two cooling operations is less than 2 minutes, the equipment won't start cooling until 2 minutes delay is satisfied. Delay time will be calculated right after the moment of cooling stops. If you want to cancel the time delay protection, press and hold the SET Button for 5s, the buzzer sounds 3 times indicates that the time delay protection has been turned off; if you want to restore the delay protection again, please remove the temperature controller from the socket and plug it in again to switch on, the delay protection will restore by default.
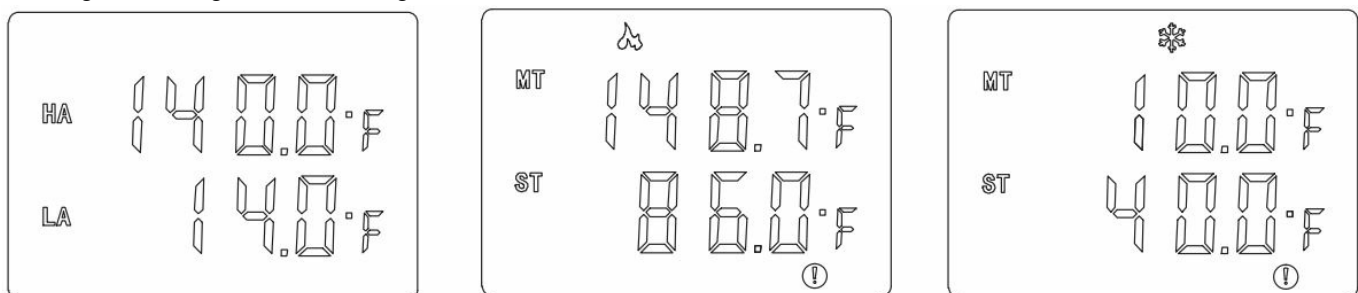
0ther Parameter Settings

Press SET button, it will cycle through ° F/°C switch—-> temperature calibration setting —-> temperature setting of high temperature alarm —-> temperature setting of low temperature alarm—-> ° F/°C switch …… Exit function parameter setting after 5s of no operation.

F/°C switch: Press SET button, when "° F" or "°C" flashes, press UP or DOWN Button to switch ° F/°C, wait for 5s, "° F" or "°C" stops flashing, indicating that the switch is successful, the default is ° F.

Calibration Value: Press SET button, when "CV" flashes, press UP or DOWN Button to adjust the compensation temperature in the second line, the test temperature in the first line follows the change, wait for 5s, "CV" stops flashing, indicating that the setting is successful, and the default CV is 0.0° F/°C.

High Temperature Alarm: Press SET button, when "HA" flashes, press UP or DOWN Button to adjust the temperature of high temperature alarm in the first line, wait for 5s, "HA" stops flashing, indicating that the setting is successful, and the default HA is 140° F/60°C.
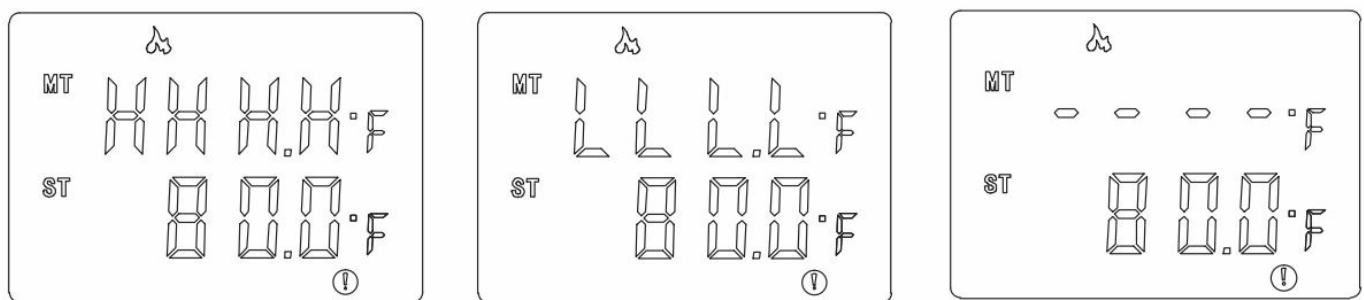
Low Temperature Alarm: Press SET button, when "HA" flashes, press UP or DOWN Button to adjust the temperature of low temperature alarm in the second line, wait for 5s, "CV" stops flashing, indicating that the setting is successful, and the default HA is 14° F/-10°C.

When the temperature reaches the alarm temperature value, the buzzer emits a"di-di-di-"alarm sound, the device will stop working, while CD is displayed. Press any button to stop the alarm, and user needs to find the reason for temperature abnormalities and deal with it; the buzzer sounds by default, If need to cancel the default buzzer sound during alarm, press and hold "SET" and "MODE" at the same time, wait for 5s, CD flashes 3 times, indicating successful canceling; if need to restore the buzzer alarm again, please remove the temperature controller from the socket and plug it in again to turn on, the buzzer alarm sound will restore by default.

Memory Function

Shutdown Memory Function: Maintain the state before shutdown when turning it on again. Power-off Memory Function: Maintain the state before the power failure when the power is on again.

Error Description

Over temperature alarm: When the measured temperature is <-22° F (<-30°C), the controller will initiate over temperature mode, and stop working. the buzzer will alarm, LCD will display HHHH. When the measured temperature is > 221 ° F (>105°C), the controller will initiate over temperature mode, and stop working. the buzzer will alarm, the buzzer will alarm, LCD will display LLLL. Sensor Fault Alarm: When temperature sensor is in short circuit or open loop, the controller will initiate sensor fault mode, and stop working. The buzzer will alarm, LCD will display – – – -.Buzzer alarm could be dismissed by pressing any key. After faults solved, the system will return to normal working mode.

Specifications

- **Input Voltage:** 120VAC 60Hz
- **Max Power Rating:** 10A Max 1200W
- **Temperature Controller Range:** -22° F-221 ° F(-30°C-105°C)
- **Display Accuracy:** 0.1 Degree

One Year Limited Warranty

Supported by our professional R&D team and QC team, we provide One Year Warranty for materials and workmanship from the purchase date. Please note that the warranty does not cover damage caused by personal misuse or improper installation. Please attach your Order ID and Name so that our dedicated customer service team can help you better.

Documents / Resources

dewenwils HTCS01A1 Digital Temperature Controller [pdf] Instruction Manual
HTCS01A1, HTCS01A, HTCS01A1 Digital Temperature Controller, Digital Temperature Controller, Temperature Controller, Controller

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