

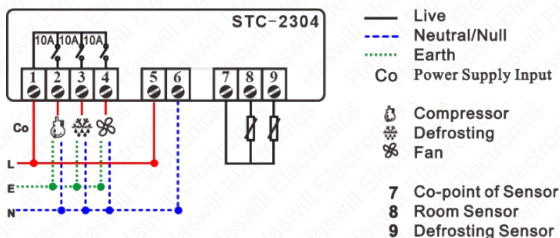
# STC-2304 Thermostat

## Quick Start Guide

(Version 21.08.02GEN)

STC-2304 owns 6 touch-sensitive keys, two sensors, and three output relays to connect and control the Refrigerator, defrosting unit, and evaporator fan.

## 1. Wiring Diagram



## 2. Lock/Unlock Keys

If you found the keys were locked, Hold the [🔒/OK] key for 1s to unlock, the 🔒 icon in the left bottom of the screen will dim, It will auto-lock again if without operation in the 30s.

### 3. Restore Factory Setting

Hold the [^] key for 10s, and the screen will show “rES”, now release the [^] key and hold the [OK] key for 3s;

The screen will display “YES” once it succeeds; Show “Err” if failed, please power on again before trying.

### 4. Set the Aimed Temp Range

Unlike STC-2301/2302/2303, they own a heating mode. This thermostat only controls the refrigeration and defrosting, and fan, this unit without **FH** code.

The aimed temperature range was defined between the “On Temp.” and the “Off Temp.”.

Set the temperature for load starts/stops

- 1) [On Temp] Key: touch this to check/edit the existing [Temperature for Load Turn On], the character “On Temp” lighting;
- 2) [Off Temp] Key.: touch this to check/edit the existing [Temperature for Load Turn Off], the character “Off Temp” lighting;

## 5. Function Menu

Hold the [OK] key for 3s to see the Menu List.

Code	Function
F1	Defrosting Lasting Time
F2	Defrosting Cycle / Interval Time
F3	Defrosting Cycle / Interval Time Count Mode
0	The sum working time of the controller
1	The sum working time of the compressor
F4	Water dripping Time
F5	Defrosting by, 0 is Electric-Thermal, 1 is Hot Gas
F6	Defrosting Stop Temperature
F7	Fan mode
F8	Time delay for fan 1st time running after pass F4
F9	Compressor Startup Protection / Delay time
F10	Alarm Delay time for this unit 1ST-time power on
F11	Over-Temperature Value to Trigger Alarm
F12	Alarm Delay time after time pass F10
F13	Temp. Calibration = Real Temp.-Measured Temp

## 6. Set the Fan

Five options are available in the fan mode F7

<b>F7</b>	Description
$\leq - 1$	Fan startup <b>earlier</b> than the compressor
$\geq 1$	Fan startup <b>later</b> than the compressor
$0$	Fan keep <b>synchronous</b> with the compressor
$1$	Fan <b>continuous</b> working without interrupt
$d$	Fan <b>continuous</b> working <b>except for</b> the defrosting time and water dripping time.

**F7** & **F8** are the difference between this unit and [STC-2303](#).

## 7. Set the defrosting

First, you should set the **F2** defrosting interval time, since

- when **F2** =  $0$ , the defrosting function was disabled, then **F1**, **F3**, **F4**, **F5** are useless;
- When **F2** >  $0$ , The defrosting function works.

Next, configure the **F5** that is the defrost method,

- F5** =  $0$ , Defrost by Electric-Thermal.
- F5** =  $1$ , Defrost by Hot Gas from the compressor reversal rotary.

Then, change the **F6** value; it is the stop line for defrosting.

At last, to configure other parameters.

This is not a step-by-step user manual;

It just shows the key points.

The new user should read the Full-Content Version User  
Manual



Haswill Electronics

[STC-2304 Defrost Fan Thermostat](#)

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