

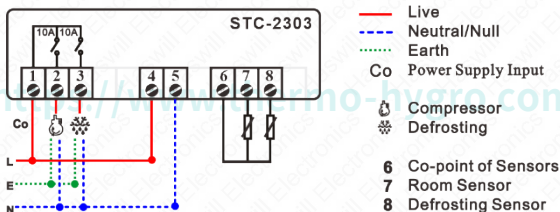
STC-2303 Thermostat

Quick Start Guide

(Version 21.08.02GEN)

STC-2303 owns 6 touch-sensitive keys, two sensors, and two output relays to connect and control the Refrigerator and the defrosting unit.

1. Wiring Diagram



2. Set the Aimed Temp Range

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

Firstly, you should decide the working mode (**F 14**) is refrigeration or heating; Since the aim temperature range will be rewritten to default value once you change **F 14**.

Next, 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;

3. 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
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.

4. Set the defrosting

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

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

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

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

Then, change the $F6$ value; it is the stop line for defrosting. This option is the difference between this controller and [STC-2302](https://www.thermo-hygro.com).

At last, to configure other parameters.

5. 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.

6. Restore Factory Setting

Hold the [^] key for 10s, and the screen will show “rES”, now release the [^] key and hold the [F/OK] key for 3s; The screen will display “YES” once it succeeds; Show “Errr” if failed, please power on again before trying.

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
<https://www.thermo-hygro.com>
Manual



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[STC-2303 Defrost Thermostat](#)

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