

AL8010H Thermostat

Quick Start Guide

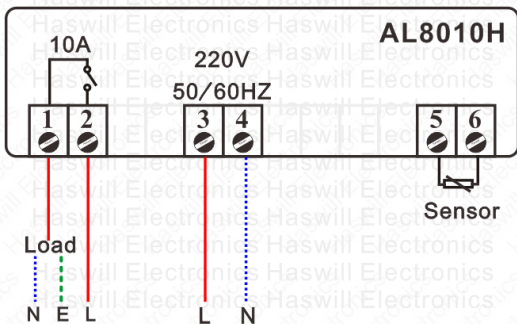
(Version 21.08.02GEN)

Haswill Electronics AL8010H temperature controller owns one 30A output relay to control the power supply status of the heater, the temperature ranges from 0 to 300 °C ; this PDF instruction show you how to wire it and configure it in 15 minutes..

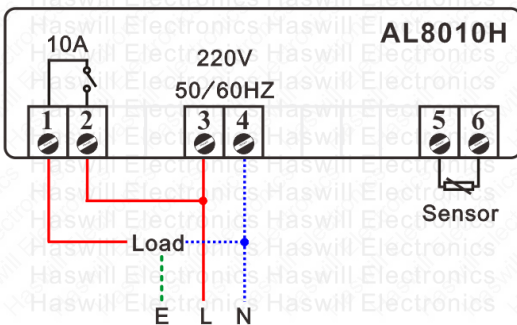
1. **AL8010H Wiring Diagram**

The input power of this controller and the load could be the same and different, hence exist two wiring diagrams; But please keep in mind that the voltage for this controller must same as the diagram shows:

Different Voltage



Same Voltage



2. AL8010H Function Menu

Code	Description
HC	Refrigeration or Heating Mode
d	Temp Hysteresis / Return Difference
LS	Lower Limit for SP
HS	Upper Limit for SP
CA	Temperature Calibration
PE	Protection Delay Time for Refrigeration

3. Set the Temperature

The aimed temperature range consists of two parts:

- “SP – **d**” is the bottom line and
- “SP + **d**” is the top line,

So, you need to set both the “SP” and the “**d**”.

3.1. Set the “SP” value

- 1) Press the **Set** key to see the SP value;
- 2) Press the **▲** or **▼** key to change it;

3) Press the **Ret** key to save new data.

If you found the "SP" cannot reach your ideal value, you must first change the range limitation (LS & HS).

3.2. Set the "Hysteresis" Value?

Hold the **Set** key for 3s; you will see the code **HC**.

Next, press the direction key to find the "**d**."

Press the **Set** key to see the current value and press the direction key to change it.

At last, press the **Rst** key to save the new data.

4. Load Works Conditions

4.1. When HC = H, works if



➤ Sensor Temp. \leq SP – Temp. Hysteresis (**d**)

4.2. When HC = C, reach all below conditions

➤ The time should be later than:
the compressor last stops moment + **PLT**

➤ Sensor Temperature \geq SP + d

5. Restore Factory Defaults

In normal status, hold both the  and  keys for 8s; you will see "YS" which means success.

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

[AL8010H Thermostat](#)

Copyright Haswill-Haswell All Rights Reserved