

Retarder proofers

An instruction manual

Before using this product, please read the instructions in detail

I Equipment description

1. The machine is equipped with the chiller and proofer preset time full-automatic control conversion function, and it can use the chiller and proofer function separately.
2. Put the dough in the cabinet for chiller in advance, and set the needed chiller time. When the chiller time completes, the system will automatically convert into the proofer state, and it is easy to operate.
3. The stainless steel, interlayer special thermal insulation material is adopted in vitro and vivo. It has a good thermal insulation, which can save the time and energy. It is durable with elegant appearance.
4. With the advanced microcomputer control system, it is easy to operate with low failure rate. Equipped with the temperature and humidity regulators and chiller timer, it has the automatic constant temperature and humidity, cooling, timing settings and other functions.
5. Proofer mode: Adopting the strong hot wind spray convection system, the indoor temperature is almost the same, the proofer effect is even, and the product surface is delicate and smooth. The automatic water supply is convenient and health, environmental protection and energy saving.
6. Cooling mode: Adopting the air-cooling way, the cooling effect is fast.
7. Setting the active shelf interval within the cabinet, the regulation is flexible and convenient.

II Installation

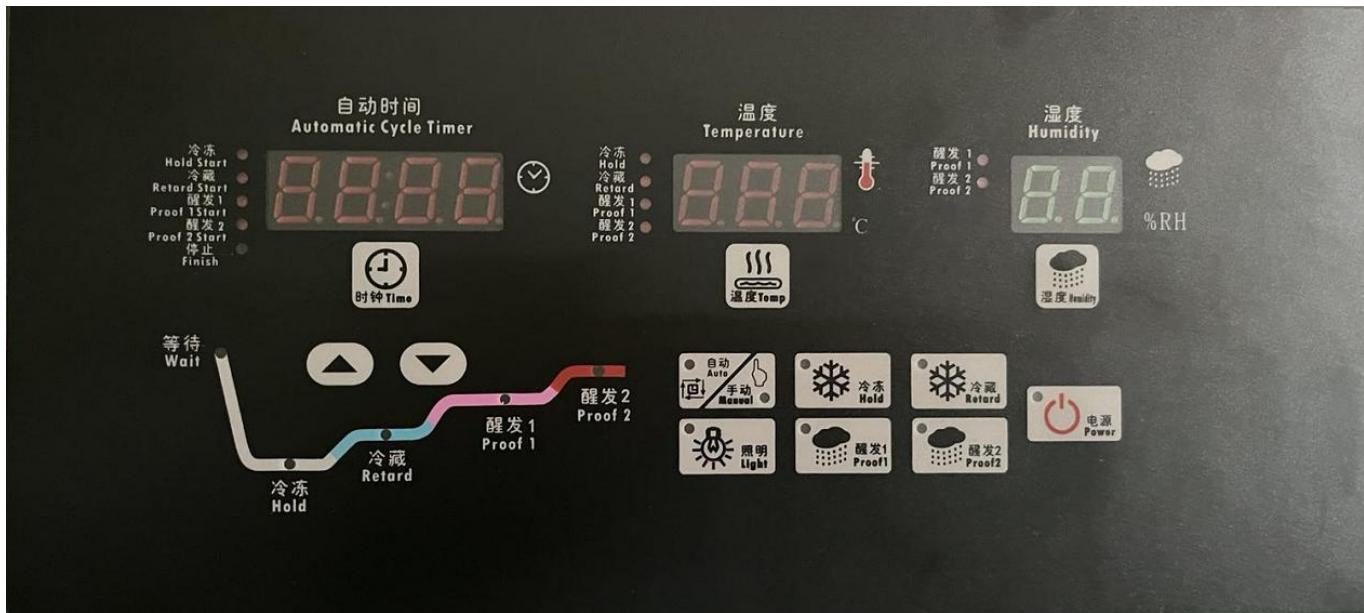
1. Based on the nameplate data in the machine, connect the 220V/60Hz AC power with ground wire(three-pin flat plug 10A).
2. Connect the inflow and outlet(The cabinet outer skin has the logo inlet and outlet).

III Technical parameter

	YH-10DR	YH-18DR	YH-36DR	YH-36DF
Supply voltage		220±10%		
Frequency		50-60 Hz		
Rated input power	0.6kw/0.5kw	0.6kw/1.2kw	0.8kw/1.6kw	1.4kw/2.8kw
Hold temperature range		-15~-5°C		
Proofer temperature range		0~50°C		
Temperature display error		±2°C		
Humidity adjustment range		0~99%RH		
Humidity error		±5%RH		
Time control range		0~24 小时		
Applicable baking tray specification and capacity	400*600mm* 10 trays	400*600mm* 18 trays	400*600mm* 36 trays	400*600mm* 36 trays
Controller working environment humidity	Relative humidity≤ 85%RH			
Workplace	Non-corrosive gas, away from the strong magnetic source			

IV Instruction

1. Control panel



V Key function description

No.	Key name	Function description
1	Time key	Set the present date and time
2	Temperature key	Set the temperature of hole, chiller, proofer 1
3	Humidity key	Set the humidity of proofer
4	“+” “-” key	Set the number increase or decrease for the parameter of each program
5	Auto/manual key	Switch the auto and manual states
6	Hold key	When manually, do the freezer action
7	Retard key	When manually, do the chiller action
8	Light key	Turn on and turn off the lights
9	Rest key	When manually, do the thaw action
10	Proof key	When manually, do the proof action
11	Power key	Turn on and turn off the power

VI Operation instruction

- Under the automatic state, it pursues the automatic control according to the setted time. During the automatic control time, it pursues the Hold→ Retard→Rest→Proof according to the setted time range. The buzzer will ring after completing the whole working process, and the controller will be at proofer state.
- Under the manual mode, the hole, retard,rest, proof can be independently controlled according to the requirements without the time control.
- The controller can not show the humidity value under the chiller states
- It has the automatic memory function. When occur the sudden power failure or power outage in the working process, the controller will automatically remember the current working state. After recovering the power, it will continue to work according to the original interrupt state, and the lighting working state will not be saved.
- Set up the automatic working time: Under the manual mode, press “time” key to enter into the freezer time parameter setting, adjust the time parameter through pressing “Up” and “Down”. Pressing “Temperature” key can switch the hour and minute parameters. Repeatedly pressing “Time” key can separately set the chiller time, proofer time , the setting method is as above. After setting the proofer time, pressing “Time” key again can exit the time setting.

6. Set up the working temperature parameters: Under the manual mode, pressing “Temperature” key for once can enter into the freezer temperature parameter setting, adjust the temperature parameter through pressing “Up” and “Down”. Pressing “Temperature” key again can separately set the chiller time, proofer time , the setting method is as above; After setting the proofer temperature parameter, pressing “Temperature” key again can exit the setting.

7. Set up the working humidity parameter: Under the manual mode, pressing “Humidity” key can enter into the proofer humidity parameter setting, adjust the humidity parameter through pressing “Up” and “Down” key.. Pressing “Humidity” key again can exit the setting.

8. Output (Pressure system) control: Once opening the controller power means opening, the state is output, once turning off the power means closing, the state is no output.

9. Clock time adjustment: Under the power-off state, the time window shows “Stop”. Pressing “Time” key for a long time until the controller buzzer sounds, the time window shows “t-yE xx” to show the year and month setting. Repeatedly pressing the time key can separately set the year, month, day, week, hour, minute, second, and the parameter is defined as follows:

Set the year	“t-yE	xx”
Set the month	“t-Mo	xx”
Set the day	“t-da	xx”
Set the week	“t-WE	xx”
Set the hour	“t-Ho	xx”
Set the minute	“t-MI	xx”
Set the second	“t-SE	xx”

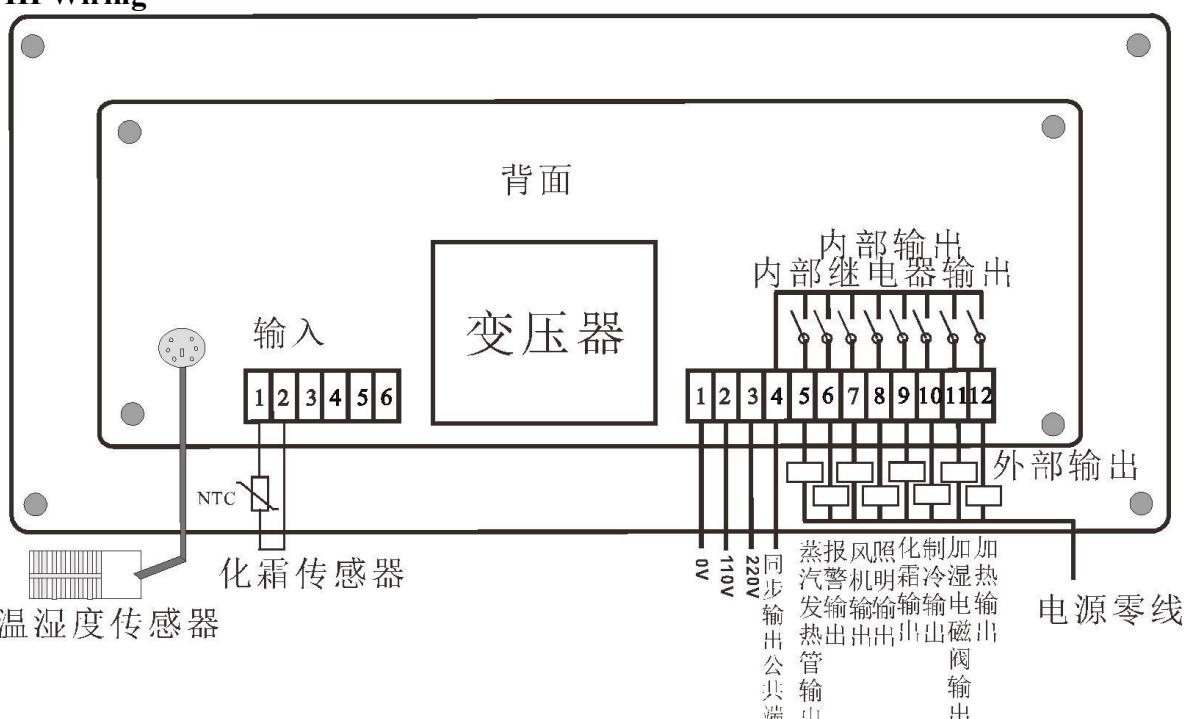
Pressing “Up” and “Down” can modify the time parameter. Pressing the time key for a long time can exit.

Note: For the controller is occupied with the automatic memory function, so it is required to close all work before cutting off the power, or make the power light lie in the close state!

VII Alarm state

1. Temperature disconnection: The temperature window flash shows “—”
2. Over-temperature: The temperature window flash shows “ALH”
3. Humidity disconnection: The humidity window flash shows “—”

VIII Wiring



Rear view:

Input control terminal:

Output control terminal:

Internal relay contact:

Heat resistance:

External wiring coil:

Temperature and humidity sensor transport:

Defrosting temperature:

Public terminal (Power phase line):

Output pressure system:

Alarm:

Fan:

Light:

Defrosting

Refrigeration:

Humidity:

Heating

Power zero line:

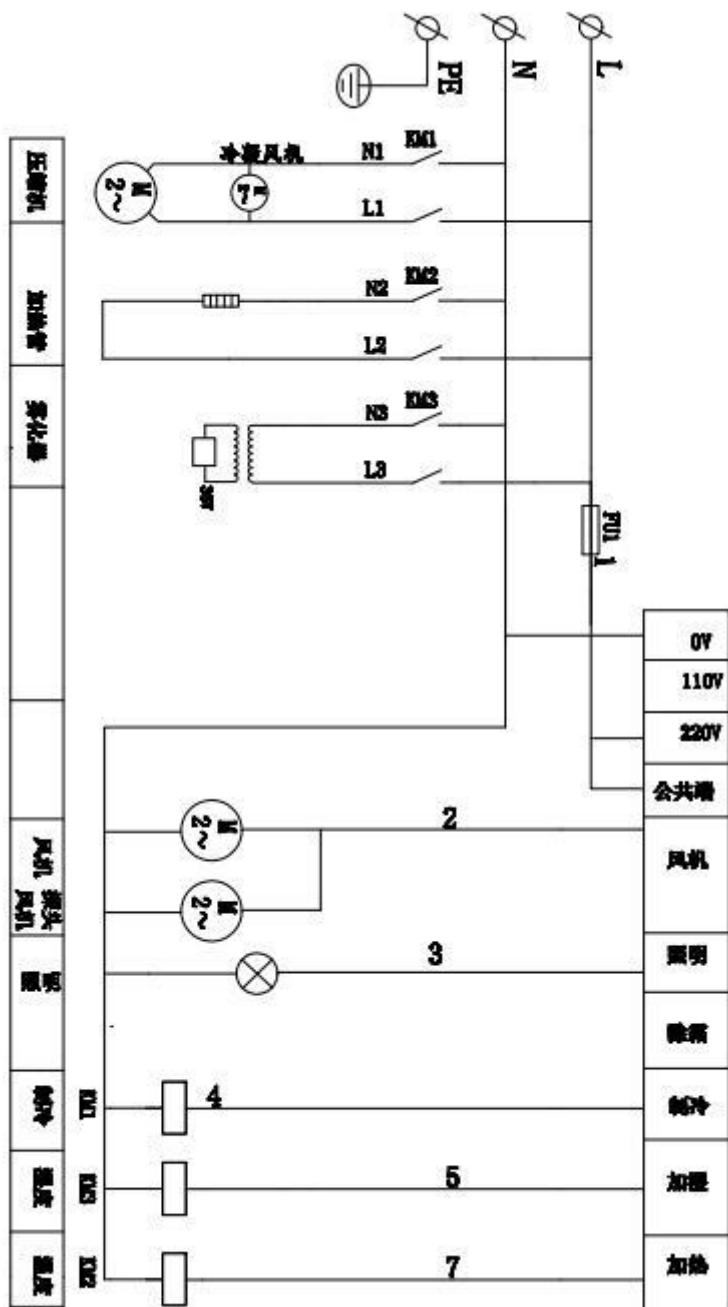
IX Notes

1. All used power and voltage shall be match with the equipment nameplate, each wiring, inlet and outlet shall be connected.
2. The water supply pipe can adopt the conventional pipe or high-pressure hose to avoid the lack of water pressure and humidity production.
3. The equipment shall keep level with the ground to avoid ponding in the spray box and causing the countercurrent.
4. The installation setting environment shall have no flying dust with no corrosive odor.
5. It can not work under larger vibration or vibration device.
6. It shall avoid to work under the direct exposure to the sun.
7. Far away from the strong electromagnetic field to avoid the controller interference.
8. Avoid the splash of water and oil to influence the normal operation of the product.

X Maintenance

1. When the machine is running, if occurs the failure, please refer to the sales company service.
2. Every two weeks, you shall check whether the inlet has the impurities, you can open and clean the filter to avoid the impurity clogging the solenoid valve.
3. Every four weeks, you shall check whether the outlet has the dirt clogging, and whether the drain pipe is bent to avoid the dripping phenomenon appeared in the cabinet for the unsMOOTH drainage.
4. Every four weeks, you shall clean the temperature probe surface oxide (it can be cleaned with the alcohol) to avoid the bad temperature passing and the error.
5. Every four weeks, you shall clean the door gasket for once to ensure the magnetic binding is compact.
6. Once using, you shall clean the machine to ensure the food hygiene.
7. If needing to replace the main power line (Code: YZW245 IEC577), you shall directly buy from the equipment manufacturer or cable manufacturer, and it shall be match with the original cable model and code.

XI Electrical schematics



Circuit diagram for soft touch chiller proofer cabinet

Compressor

Heating tube

Fan

Light

Refrigeration

Humidity

Heating

Solenoid valve