Retarder Proofer (Operational Manual)

Safety Cautions

Please strictly follow the signs on the manual and machine. Do as it is asked. In order to avoid the damage to your property, please carefully study the signs and labels in the manual. Please read the manual carefully before the operation.

The machine is with higher voltage. Non-professional staff is not allowed to open the maintenance door, and turn off the main power before the maintenance.

The equipotential connection terminal of the oven must be connected with the ground equipotential connection terminal used to eliminate the potential difference between the oven and other appliances and avoid electric shock accidents caused by the potential difference

This oven is grounded for protection to prevent electric shock from the terminal connected to the outer protective body or the terminal connected to the protective grounding electrode in the event of a fault

For people (including children) who have physical, sensory or intellectual defects, or lack of experience and knowledge (including children), this manual is not applicable.

Never clean the oven by spraying water over it.

Technical Features

1. Precise control and easy operation with digital integrated control.
2. Indirect air blowing on the product from the air duct guidance mode makes more even.
3. Stainless steel rack is used to avoid pollution to the foods.
4. Well insulation due to higher pressure and higher density foam.
5. Imported refrigeration accessories make stable refrigeration effect.
6. More accurate temperature control and humidity control due to the individually control of heat and humidity.

Specifications

1. Three digital tubes: hour, temperature, humidity
2. Maximum time of cold storage or refrigeration: 4 days
3. Time range: 0～24 hrs
4. Freezing temperature range: -18～0℃ (-0.4°F to 32°F)
5. Cool temperature range: 0～5℃ (32°F to 41°F)
6. Defrosting temperature range: 0～25℃ (32°F to 77°F)
7. Proofing temperature range: 0～45℃ (32°F to 113°F)
8. Proofing humidity range: 20～95%
9. Output control: Temperature control 1 way, AC220V/20A
   Auxiliary temperature control 1 way, AC220V/2A
   Freezing temperature control 1 way, AC220V/2A
   Humidity control 1 way, AC220V/2A
   Lighting control 1 way, AC220V/2A
   Blower control 1 way, AC220V/2A
   Alarm indication 1 way, AC220V/2A
10. Signal input: Special temperature and humidity sensor 1 way
11. Temperature display resolution: 1℃
12. Temperature setting resolution: 1℃
13. Humdity display resolution: 1%
14. Humidity setting resolution: 1%
15. Input power: AC220V±10%, 60Hz
16. Working environmental temperature≤40℃
17. Working environmental humidity≤85%RH

Note: Do not use proofer as retarder proofer due to different configurations. Never alter the default values.

Parameter Setting

1. **Time Setting: Press** (15) key, press (13) to set hour (24 hours system). Press(15) to set minute. Another press (15) will exit.
   (note: the time in this window must be the same as the local time) Please correct the time if it may deviate after a period of time.
2. **Cool storage temperature setting:** After pressing (3) the relative light is on, it means cold storage status. Press (3)again until the temperature flashes in the window(17)。 Press (13) to adjust the temperature. Press (3) again to finish the setting, otherwise it will exit the temperature setting automatically after 5 seconds. Temperature range: 0～5℃
3. **Refrigeration temperature setting:** After pressing (4) the relative light is on, it means refrigeration status. Press (4) until the temperature flashes in the window (17). Press (13) to adjust the temperature. Press (4) to exit, otherwise it will exit automatically after 5 seconds. The temperature range: -18～0℃
   (Note: Never change the default value in the proofer)
4. **Defrost temperature setting:** After pressing (5) the relative light is on, it means defrost status. Press (5) until the temperature flashes in the window (17). Press (13) to adjust the temperature. Press (5) to exit, otherwise it will exit automatically after 5 seconds. Temperature range: 0～25℃.
5. **Temperature and humidity setting:** After pressing (6) the relative light is on, it means proofing status. Press (11) until the temperature flashes in the window (17)。 Press (13) to adjust the temperature. Press (11) to exit. Press (12) until humidity flashes in the window (18). Press (13) to adjust the humidity. Press (12) to exit.
6. **Cool storage functions:** (for example, the proofing of the next morning. Startup cool storage function)

a. Set the proofing temperature and humidity
b. Press (3) key to startup cool storage function. (If the temperature inside the proofer is higher than the room temperature, please open the door to let the hot air out. After the temperature inside is closer to the room temperature, start up the proofer to save the energy.
c. Press (9) key to set the start time of the proofing.
d. Press (10) key to set the end time of the proofing. (end time must be later than start time).
e. Press (14) key to choose which day to enter to proofing status.
f. Press (8) key to start by appointment. At the moment the light in (7) is on to mean the function is set.

Example : Assume the bread will be baked at 7 o' clock next morning。 Set as:

a. In proofing function set time and humidity for the next day.
b. Press (3) key to enter to cool storage status.
c. Press (9) key to set the time. Press (15) key to set 5:30 in the morning, and press (9) key to finalize it.
d. Press (10) key to set end time by appointment. Press (15) key to set 7:00 as end time. Press (10) to finalize it.
e. Press (14) key to choose. The light of next day in (19) is on meaning the setting is finished.

f. Press (8) to startup by appointment. At the moment the timing light in (7) is on, which means the setting is finished. After completing the above setting, the time of refrigeration and cool storage can be saved in the controls. At the proofing time it will startup automatically.

7. **Refrigeration setting:** (if proofing is needed two days later, startup refrigeration function)

a. First set to refrigeration status, temperature and humidity.

b. Press (4) to startup the refrigeration. (suggest if the temperature inside the proofer is higher than the room temperature, please open the door to let the hot air out. If the temperature inside the proofer is closer to the room temperature, startup the refrigeration to save energy.)

c. Press (9) to enter into refrigeration status, and set start time of proofing.

d. Press (10) choose the end time of proofing(end time must be later than start time).

e. Press (14) to choose which day to enter into the proofing under the refrigeration status.

f. Press (8) to startup by appointment. At this moment the timing light in (7) is on, which means the function is set.

Example: assume it is planned that bread baking start at 7 o' clock in the morning on the fourth day. Set as:

a. Set the fourth day in the proofing function, temperature and humidity.

b. First press (4) to enter into refrigeration status.

c. Press (9) to enter into proofing time after refrigeration status. Press (15) to set time as 5:30am. Then press (9) to finalize it.

d. Press (10) to enter into proofing end by appointment. Press (15) to set end proofing time as 7:00. Press (10) to finalize it.

e. Press (14) to choose the number. When the fourth day light is on in (19), the setting is ready.

f. Press (8) to startup by appointment. At the moment the timing light is on in (7), which means the setting is finished.

After completing the above setting, the time of refrigeration and cool storage can be saved in the controls. At the proofing time it will startup automatically.

Alarm

1. When the temperature sensor is disconnected, it will show "--". (at alarm heating, steam heating, refrigeration and steam are all closed). Only exit the proofing function to cancel the alarm.
2. If the temperature is higher than the alarmed temperature, the temperature window will show "HHH". (heating, steamed heating, refrigeration and steam are all closed at alarm), Only exit the proofing function to cancel the alarm.
3. If set humidity is not reached in 20 minutes, temperature window will show "Wn". (heating, steamed heating, refrigeration and steam are all closed at alarm). Only exit the proofing function to cancel the alarm.

Manual Emergency Proofing Functions：(it can be used only when humidity probe is broken)

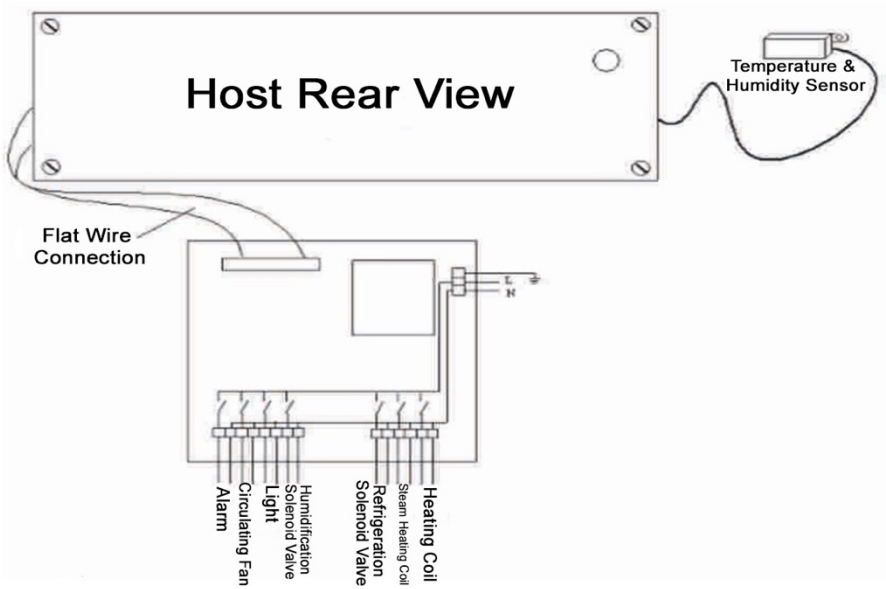
Enter into the proofing status after startup. Long press increase key, humidity window will show “HW”. Now it is manual proofing status. （heating element output cycle of 10 minutes, 30 seconds of pause. The cycle is 10 minutes, 5 seconds of adding water）. At the moment the humidity probe does not work. Exit the proofing status at the same time exit manual humidity.

Models and Specifications

Model	RPH-36D
Voltage	208V
Power	2.6KW
Overall size	860*1280*2060 33 7/8” x 50 3/8” x 81 1/8”

Wiring Diagram

Before connecting to temperature and humidity sensors be sure to disconnect the controller’s incoming line AC220V AC power, otherwise the temperature and humidity sensors will be damaged!!!

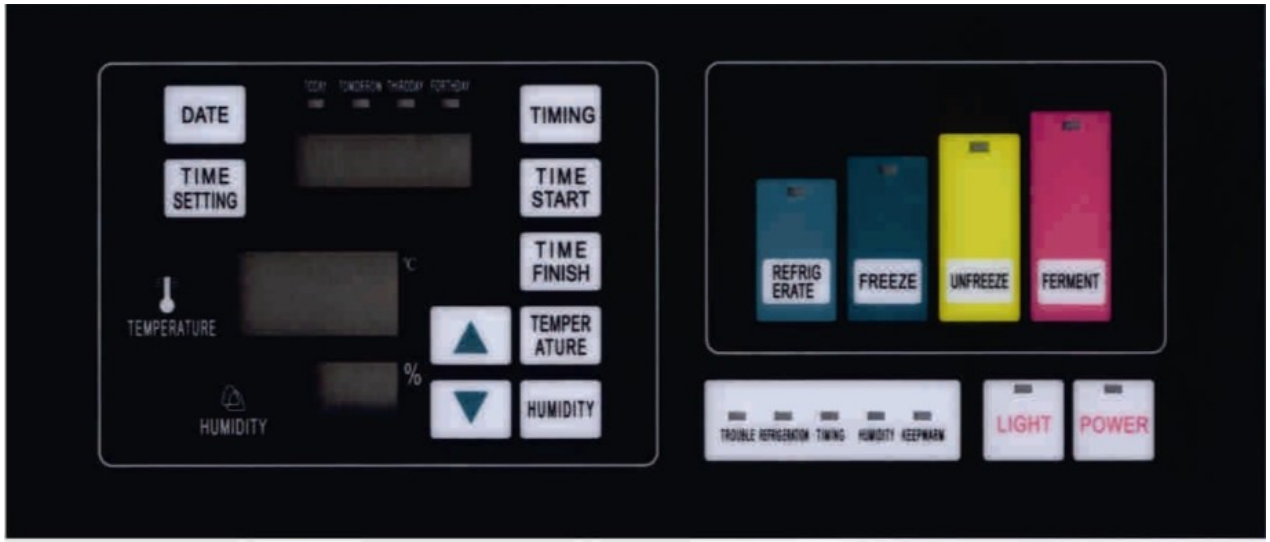


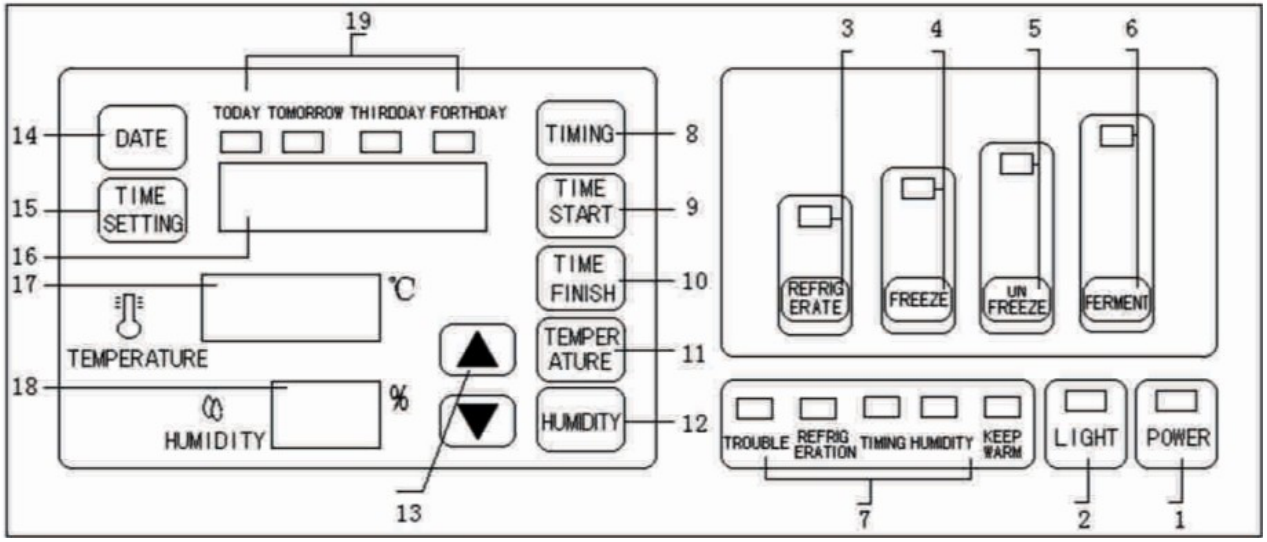
Installation

1. Choose the place where no dust.
2. Choose the place where non corrosive gas;
3. Never put on the bigger vibrated equipment;
4. Avoid direct exposure to the sunshine.
5. Keep away from strong electromagnetic field to avoid controller interference;
6. The controller should be installed on the proofer evenly to avoid the deformation of the controller surface panel and affect the user’s use;
7. Avoid splashes such as water and oil that affect the normal use of the proofer;
8. Avoid using in the high temperature and high humidity environment.

Precautions

1. Please be sure if the voltage is too high, or too low, or instable that cause the burned electric appliance before connecting to power.
2. Be sure water supply works well before connecting to power. The proofer will be burned if heating up under the water shortage condition.
3. The working environment: The room temperature should be lower than 40℃.
4. Water supply cannot be disconnected under the working conditions. Pure water should be used in this retarder proofer. Hardened water should be softened.
5. Frequent open and close of the door should be avoided in the working condition.
6. Regularly clean and remove the oil dirt inside the proofer to prevent the growth of internal bacteria.
7. Proofer can be used as an ice box, not as refrigerator. Retarder proofer can be used as a refrigerator.


DATE
TIME SETTING
TIMING
TIME START
TIME FINISH
TEMPERATURE
TEMPER ATURE
HUMIDITY
REFRIG ERATE
FREEZE
UNFREEZE
FERMENT
LIGHT
POWER


19
TODAY TOMORROW THIRDDAY FORTHDAY
14
DATE
15
TIME SETTING
16
17
TEMPERATURE
18
HUMIDITY
13
TIMING
8
TIME START
9
TIME FINISH
10
TEMPER ATURE
11
HUMIDITY
12
3
4
5
6
REFRIG ERATE
FREEZE
UN FREEZE
FERMENT
TROUBLE
REFRIG ERATION
TIMING
HUMIDITY
KEEP WARM
7
LIGHT
2
POWER
1

panel

Illustration of control panel

1. Power key
2. Light switch
3. Cold storage function key and indicator light
4. Freeze function key and indicator light
5. Defrost function key and indicator light
6. Proofing function and indicator light
7. Working condition light
8. Function key of refrigeration and freeze
9. Start time of fermentation after cold storage or freeze
10. Finish time setting of fermentation for cold storage or freeze
11. Temperature set
12. Humidity set
13. Adjustable key of temperature, humidity and time
14. Date key
15. Local time setting
16. Current time window
17. Temperature window (℃)
18. Humidity window (％RH)
19. Fermentation day indicator