

TRUFROST & BUTLER

USER MANUAL

**Fried Ice Cream Freezer:
Cold Gold**

1. Parameter settings

"Set" button - Set the function selection; (Item: F1, F2)

"Fresh" button – except for the normal function of running, it also can match with the adjustment operation "Settings" button to set the figure up "↑"operation ;

"Cool" key – except for the normal function of running, it also can match with the adjustment operation "Settings" button to set the figure down"↓" operation;

Parameter settings must be in the standby mode

a. **F1**-- main refrigeration system shutdown temperature setting: Temperature range: -30 ~ +50 (°C)

① After press "Settings" button 5s, digital display, "F-1", 2s automatically converted to the last set temperature value boot "+ XX" or "-XX" (above 0 °C genus may show positive + number, 0 °C to subordinate negative shall show - number); (**Factory setting: -25 °C**)

② Pressing the "fresh" key or the "cool" key adjust numerical of "↑" or "↓", each time you press, the value is incremented or decremented by 1 °C;

③ After power turnon temperature is set, then can proceed to the next set of operating procedures ,or be quiet after 8s, returns to standby mode;

b. **F2**-- preservation system shutdown temperature value setting: Temperature range: -30 ~ +50 (°C)

① Before machine did not return to standby mode, press the "Settings" button, digital display "F-2" ,2s automatically converted to the last shutdown temperature set value "+ XX" or "-XX" (above 0 °C the case may show positive + number, 0 °C to subordinate negative shall show - number); (factory setting: + 5 °C)

② Pressing the "fresh" key or the "cool" key adjust the "↑" or the "↓" figure, each time you press, the value is incremented or decremented by 1 °C;

③ After power shutdown temperature is set, you can proceed to the next set of operating procedures, etc. can also be quiet after 8s, returns to standby mode;

C. Other parameters set:

In addition to the F1, F2 setting, there are other programs of the control panel can be adjusted, but they has been adjusted by manufacturer, users were not into re-adjustment.

2. Operations

After setting into standby mode, you can carry on running the operating

a. Fresh Run

① Must be on the premise of preservation temperature probe normal connection, can be "fresh" running operations;

② Press the "fress" key, then the "fresh LEDs" light. preservation system began to work, when the temperature is less than the shutdown temperature (F1 set point), preservation system that is stopped; when the temperature rises above the power-temperature difference (The differential value 3 ~ 5 °C), preservation system began to work again, cycle to work;

③ Press "fresh" button again, preservation system will stop working, "stirring LED" off.

b. Cooling operation

① "cooling" operation must be in the main refrigeration temperature probe under the premise of normal connection;

② Press the "cool" key, Compressor, fan motor start synchronization operation, "refrigeration lights" synchronous long bright at this time. Digital display show the real-time temperature; when the temperature is less than the shutdown temperature (set point F2), the primary refrigeration system compressor stops running; when the temperature rises above the power-on temperature value (The differential value 3 °C), the main refrigeration system compressor started running, cycle to work;

③ Press the "cool" key again, compressors and fans stop running, then "cooling LEDs" off. The machine returns to standby mode, digital display real-time temperature value;

3. Program protection section

Fault code	Reason&Cause
E-1	Overcurrent
E-2	Oervoltage protection
E-3	Undervoltage protection
E-4	Preservation sensor failure
E-5	Cooling sensor failure

a. Overcurrent protection when the main refrigeration compressor running current exceeds a set value protection, protection carried out;

b. Overvoltage that is over-voltage protection. When the power supply voltage is higher than the set protection values, protection carried out;

- c. Undervoltage protection that is under voltage protection. When the supply voltage drops below the set value protection, protection carried out;
- d. Preservation temperature sensor alarm when the preservation temperature sensor short circuit or open circuit protection carried out;
- e. Refrigeration temperature sensor alarm when the cooling temperature sensor short circuit or open circuit protection carried out;
- f. Detection time program for the protection 5s,
Whenever appear to protection, the machine stopped working, "fault indicator" long flash, accompanied by intermittent (beep - beep) beep, duration of 10s sound an alarm; at the same time ,digital control (left) shows the fault code "E-X";

When the " Overvoltage " or " Undervoltage " failure, in addition to the machine stopped working, "fault indicator" long flash, accompanied by intermittent (beep - beep) beep, duration of 10s sound alarm, Digital tube (left) shows the fault code "E-X",At the same time, digital tube (right) locks and displays real-time voltage value.

- g. The cancellation of the warning program –Make the power off ,this is the only way to cancel the warning program , when power on, machine will not remember the warning program.

Marketed globally by:

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