



Operation Manual



BICU-109

Cube Ice Maker

Thank you for Choosing Biolab products. Please read the "Operating Instructions" and "Warranty" before operating this unit to assure proper operation.

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01 Power on/off icon

1. In the power-on state, touch the Power on/off icon, it turns off the machine.
2. In the power-off state, touch the Power on/off icon, it turns on the machine.
3. In the state of setting appointment state, touch the Power on/off icon, it makes the machine enter into the appointment state.
4. In the appointment state, touch the Power on/off icon, it turns off the machine.
5. In the setting state, touch the Power on/off icon, it exits the setting state and save parameters.

02 Cleaning/setting icon

1. In the off-state, touch the cleaning/setting icon, loose it when you see the icon flashes, and the machine enters into manually cleaning state.
2. In the manually cleaning state, touch this Cleaning/setting icon, the machine drains water and after this, it enters into the rinsing state. In the rinsing state, touch the Cleaning/setting icon, the machine drains water. After this, it goes to next round.
3. Make ice, remove ice, and ice full state, touch the Cleaning/setting icon, the machines enters manually cleaning state.
4. In the off-state, the touch Cleaning/setting icon, see the button flash once, don't loose and continue touching for 15 seconds it enters into the setting state. Click the button, it switches the parameters.

03 Mode icon

1. In the cleaning state, touch the Mode icon, the machine enters into the pressure balance state.
2. In the pressure balance state, touch the Mode icon, the machine enters into the ice-making state.
3. In the ice-making pre-cooling state, touch the Mode icon, and it enters the ice-making state.
4. In the ice-making state, touch the Mode icon, it enters into the harvesting state.
5. In the harvesting state, if the ice-slipping board is open, touch the Mode icon, it enters the ice-full state. If the ice-slipping board is not open, touch the Mode icon to enter the ice-making state.
6. In the appointment time setting state, touch the Mode icon, it exits the appointment setting state.

04 Appointment/Add icon

1. In the machine power-off state, touch the Appointment/Add icon to enter the appointment time setting.
2. In the appointment time setting state, touch the Appointment/Add icon once to increase the time by 10 minutes, long touching and time continuous increases.
3. In the setting parameters status, touch the Appointment/Add icon, add one to the parameters, long touch and it continuous increases.

05 Light/Minus icon

1. In the setting parameters status, touch the Light/Minus icon once, the parameter is reduced by one, and long touch and it continuous decreases.
2. In the appointment time setting state, touch the Light/Minus icon once, and the time will be reduced by 10 minutes, long touch and time continuously minus.
3. In the non-setting state, the Light/minus icon controls the switch of the blue light.

06 Second, Display status

1. Power-on: LCD is all bright, four digital display version# 0001.
2. Power-on delay:
Water inflow: time shows C00, the lights of cleaning, ice-making, harvesting, ice full are all bright. Power-on cleaning: time is shown as cleaning time and the cleaning icon is bright.
Pressure balance: The lights of cleaning, ice making, harvesting, ice full are all bright.
If the condensing probe fails, the fault icon is bright, the condensation probe is bright, and the temperature is showing EE.
3. Manual cleaning: the cleaning icon is bright and the time is showing cleaning time.
If the condensing probe fails, the fault icon is bright, the condensation probe is bright, and the temperature is shown as EE.
4. Ice making: Ice-making icon is bright, it shows the left ice-making time.
The ice icon flashes in the off-delay state.
If the condensing probe fails, the fault icon is bright, the condensation probe is bright, and the temperature is shown as EE.
5. Harvesting: The harvesting icon is bright, and time is showing the harvesting time.
In the off-delay state the harvesting icon flashes.
If the condensing probe fails, the fault icon is bright, the condensation probe is bright, and the temperature is shown as EE.
6. Ice full: the ice fullness icon is bright, and it shows the ice-full time.
If the ice fullness state is released (compressor delay state) and the ice fullness icon flashes.

If the condensing probe fails, the fault icon is bright and the condensation probe is bright.

7. Failure: the fault icon is shining, and the corresponding fault character is bright.

8. Shutdown: Display OFF.

9. Appointment setting: the appointment icon is bright and the time is displayed as the appointed starting time.

10. Appointment status: The lights of cleaning, ice making, harvesting, ice-fullness are all bright, the appointment icon flashes, showing the appointment time counting down.

11. Setting status: The most left side of the digital tube is setting the parameter codes and long bright. The last two or three bits are parameter values, twinkling.

When the machine is working, there is a corresponding display for all the turning-on loads on screen.

The ice-full switch corresponds to the ice-slipping board. The slipping board is closed, the ice fullness light is turned on otherwise off.

No icon-touch operation for 60 seconds, lock screen, lock icon bright, click any icon to unlock.

Ice thickness determination in the process of ice making: during the basic freezing time, the ice thickness detector flashes if it detects intermittent or continuous water flow. When the ice-making time exceeds the basic ice-making time, the ice thickness will flash and will not be timed if there is a discontinued flow of water. If a continuous flow is detected, the ice thickness detection is long and the procedure is timed. If continuous flow time exceeds 20 seconds, the process of harvesting is continued.

Ice-fullness: the ice-full icon is bright and all loads are off. The ice-fullness is released, the ice icon shines, and the machine is in delay turning-on process.

Clean, cleaning icon flashes (not shown when the program does not have the clean the function).

Fault, fault icon flashing, specific fault character display, all loads off. When the condenser fails, the fault icon is bright, the cold condensing probe is bright, and the machine continues to make ice.

Ice-slipping and ice-full board switches, ice slipping board character bright, malfunctioning ICONS flashing.

Ice-making over time fault, 10 consecutive ice-making over time, the ice-making over time icon is bright, the fault icon flashes.

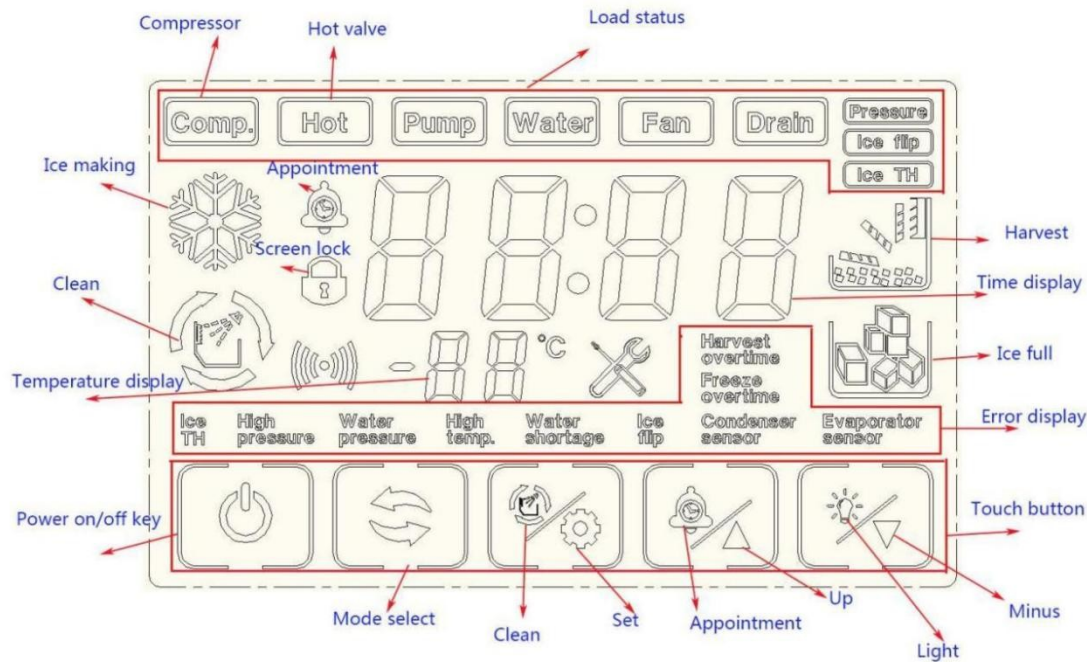
Harvesting over time fault, 3 consecutive ice-harvesting over time, the ice-making overtime icon is bright, and the failure icon is bright.

High temperature fault, condensing temperature over 65 degrees, high temperature characters bright, fault icon flashing.

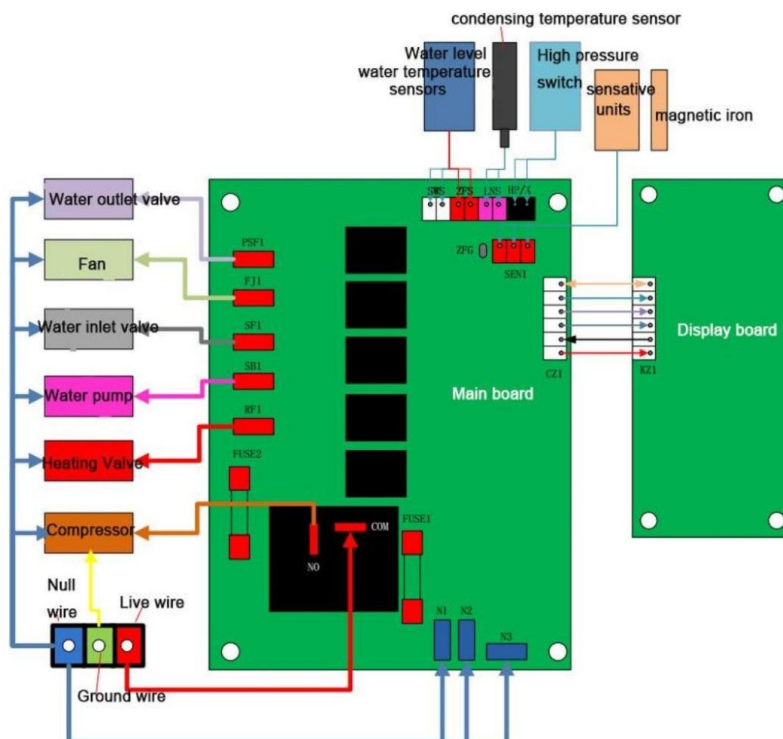
Water shortage failure, if the water is continuously unfull for 4min, water level characters bright, failure icon flashes.

Pressure limit failure, pressure switch to jump off (non-stress switch, this function is invalid).
High voltage and fault icon flashes.

Cube ice maker-Water temperature controller introduction



Display board introduction





BIOLAB SCIENTIFIC LTD.

3660 Midland Avenue, Suite 300, Toronto, Ontario M1V 0B8 Canada

Email: contact@biolabscientific.com Tel: +1 707 533 1445

Website: www.biolabscientific.com